Atlanta Region Demand Overview and Targeted Industry Workforce Trends

2014

Prepared by the Atlanta Regional Commission, Research & Analytics Division
Atlanta Region Demand Overview and Targeted Industry Workforce Trends

FINAL REPORT 2014
REVISED AND EXPANDED FROM DRAFT VERSION

Prepared by: Atlanta Regional Commission - Research & Analytics
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**Note:** Categories are not mutually exclusive, so the same job can be counted in multiple job clusters. For example, the Software Development cluster includes jobs that also fall into the Wireless/Mobility cluster - such as Applications Developers.
NOTE: Burning Glass is a “real-time database. As such, data for the “Last 12 Months”, except where noted, refers to August 2013 - August 2014. Other periods for certain queries run after the initial set (in the draft report) are noted as either November 2013 to November 2014 or as December 2013 to December 2014.
Online job postings in Atlanta have grown two times faster than postings nationally.
DEMAND OVERVIEW

From 2010 to 2013, employer demand has grown, even more quickly, across nearly all job categories in Atlanta.

And FASTER in most target industries
COMPARATIVE MARKETS ACROSS ALL POSTINGS

Atlanta and the U.S.
Top MSA Postings

New York-Northern New Jersey-Long Island, NY-NJ-PA (Metropolitan Statistical Area)
Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area)
Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area)
Washington-Arlington-Alexandria, DC-VA-MD-WV (Metropolitan Statistical Area)
Dallas-Fort Worth-Arlington, TX (Metropolitan Statistical Area)
Boston-Cambridge-Quincy, MA-NH (Metropolitan NECTA)
San Francisco-Oakland-Fremont, CA (Metropolitan Statistical Area)
Houston-Sugar Land-Baytown, TX (Metropolitan Statistical Area)
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD (Metropolitan Statistical Area)
Seattle-Tacoma-Bellevue, WA (Metropolitan Statistical Area)
Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area)
Detroit-Warren-Livonia, MI (Metropolitan Statistical Area)
Phoenix-Mesa-Glendale, AZ (Metropolitan Statistical Area)
Miami-Fort Lauderdale-Pompano Beach, FL (Metropolitan Statistical Area)
Denver-Aurora-Broomfield, CO (Metropolitan Statistical Area)

Total Postings: Last 12 Months
COMPARATIVE MARKETS

TOP CERTIFICATIONS - U.S.

- REGISTERED NURSE
- FIRST AID CPR AED
- CERTIFIED PUBLIC ACCOUNTANT
- CDL CLASS A
- CERTIFIED NURSING ASSISTANT
- COMMERCIAL DRIVER’S LICENSE
- PROJECT MANAGEMENT CERTIFICATION (E.G. PMP)
- BASIC CARDIAC LIFE SUPPORT CERTIFICATION
- ADVANCED CARDIAC LIFE SUPPORT (ACLS) CERTIFICATION
- NURSE PRACTITIONER
- AUTOMOTIVE SERVICE EXCELLENCE (ASE) CERTIFICATION
- FORKLIFT OPERATOR CERTIFICATION
- CERTIFIED INFORMATION SYSTEMS SECURITY PROFESSIONAL (CISSP)
- AMERICAN HEART ASSOCIATION CERTIFICATE
- SERVSAFE

Total Postings: Last 12 Months

TOP CERTIFICATIONS - ATLANTA

- REGISTERED NURSE
- CERTIFIED PUBLIC ACCOUNTANT
- PROJECT MANAGEMENT CERTIFICATION (E.G. PMP)
- FIRST AID CPR AED
- CDL CLASS A
- BASIC CARDIAC LIFE SUPPORT CERTIFICATION
- COMMERCIAL DRIVER’S LICENSE
- TEACHING CERTIFICATE
- CERTIFIED INFORMATION SYSTEMS SECURITY PROFESSIONAL (CISSP)
- AUTOMOTIVE SERVICE EXCELLENCE (ASE) CERTIFICATION
- FORKLIFT OPERATOR CERTIFICATION
- MICROSOFT CERTIFIED SYSTEMS ENGINEER (MCSE)
- CERTIFIED NURSING ASSISTANT
- CISCO CERTIFIED NETWORK ASSOCIATE
- FIRST AID CPR AED
- COMMERCIAL DRIVER’S LICENSE
- AMERICAN HEART ASSOCIATION CERTIFICATE

Total Postings: Last 12 Months
## Top Employers - Atlanta

<table>
<thead>
<tr>
<th>Company</th>
<th>Total Postings: Last 12 Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wellstar Health System</td>
<td>4,661</td>
</tr>
<tr>
<td>The Home Depot Incorporated</td>
<td>2,686</td>
</tr>
<tr>
<td>Suntrust Banks</td>
<td>2,225</td>
</tr>
<tr>
<td>Pizza Hut</td>
<td>2,134</td>
</tr>
<tr>
<td>AT&amp;T</td>
<td>2,109</td>
</tr>
<tr>
<td>Agile</td>
<td>2,085</td>
</tr>
<tr>
<td>Northside Hospital</td>
<td>1,806</td>
</tr>
<tr>
<td>Coca-Cola Enterprises Inc.</td>
<td>1,674</td>
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<tr>
<td>Macy's</td>
<td>1,642</td>
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<tr>
<td>Cobb County School District</td>
<td>1,554</td>
</tr>
<tr>
<td>Bank of America</td>
<td>1,438</td>
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<tr>
<td>Hospital Corporation of America</td>
<td>1,387</td>
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<tr>
<td>Verizon Communications Incorporated</td>
<td>1,232</td>
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<tr>
<td>Sears</td>
<td>1,152</td>
</tr>
<tr>
<td>State Of Georgia's</td>
<td>1,138</td>
</tr>
</tbody>
</table>

**Total Postings: Last 12 Months**
COMPARATIVE MARKETS

### BA+ JOB POSTINGS

- Registered Nurse: 2,450
- Business Analyst: 2,058
- Software Engineer: 1,759
- Financial Analyst: 1,276
- Java Software Developer: 1,264
- Account Manager: 1,225
- Marketing Manager: 862
- Software Developer: 844
- Accountant: 816
- Project Manager: 780
- Sales Representative: 689
- Sales Manager: 681
- Network Engineer: 679
- .Net Developer: 619
- Assistant Manager: 616

Total Postings: Last 12 Months

### BA- JOB POSTINGS

- Registered Nurse: 2,771
- Customer Service Representative: 1,462
- Sales Associate: 1,381
- Assistant Manager: 997
- Administrative Assistant: 842
- Security Officer: 773
- Assistant Store Manager: 757
- Retail Sales Associate: 598
- Warehouse Worker: 597
- Store Manager: 594
- Maintenance Technician: 582
- Teller: 562
- Store Associate: 555
- Event Specialist: 546
- Sales Representative: 473

Total Postings: Last 12 Months
TECHNOLOGY: COMPUTER IT BA+

Technology
a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience
a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics
a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare
a. Healthcare BA+
b. Healthcare BA-

Manufacturing
a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
The “Computer IT BA+” target industry group includes all postings in the Burning Glass *occupation* group of Computer IT that have a bachelors degree or more as a minimum educational requirement.
Top 5 MSAs + Atlanta

New York-Northern New Jersey-Long Island, NY-NJ-PA (Metropolitan Statistical Area)
- Total Postings: 86,309

Washington-Arlington-Alexandria, DC-VA-MD-WV (Metropolitan Statistical Area)
- Total Postings: 69,126

San Francisco-Oakland-Fremont, CA (Metropolitan Statistical Area)
- Total Postings: 47,794

Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area)
- Total Postings: 47,138

Boston-Cambridge-Quincy, MA-NH (Metropolitan NECTA)
- Total Postings: 46,185

Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area)
- Total Postings: 34,239

Total Postings: 2013

Atlanta ranks 8th in the nation.
Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 8th among MSAs in Computer IT BA+ postings, up from 10th in 2007

• From 2007 to 2013, postings in the Atlanta MSA market increased from 13,965 in 2007 to 34,239 in 2013
  ➢ This 145% increase compares to 139% growth in the nation on the whole
  ➢ Atlanta’s national share of Computer IT BA+ postings held at 3.0% in both 2007 and 2013
  ➢ The 145% trails only Washington, D.C. MSA amongst the top five MSAs in this type of posting

• From 2010 to 2013, Computer IT BA+ postings in Atlanta have increased 61%
  ➢ This compares to 43% growth in the nation on the whole
  ➢ The 61% is a higher rate increase than any of the top five MSAs in this type of posting ‘00-’13
TECHNOLOGY: COMPUTER IT BA+

Top Locations by Ad Volume

- New York-Northern New Jersey-Long Island, NY-NJ-PA
- Washington-Arlington-Alexandria, DC-VA-MD-WV
- San Francisco-Oakland-Fremont, CA
- Chicago-Joliet-Naperville, IL-IN-WI
- Los Angeles-Long Beach-Santa Ana, CA
- Boston-Cambridge-Quincy, MA-NH
- San Jose-Sunnyvale-Santa Clara, CA
- Dallas-Fort Worth-Arlington, TX
- Atlanta-Sandy Springs-Marietta, GA
- Seattle-Tacoma-Bellevue, WA
- Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
- Detroit-Warren-Livonia, MI
- Denver-Aurora-Broomfield, CO
- Houston-Sugar Land-Baytown, TX
- Minneapolis-St. Paul-Bloomington, MN-MN

Postings Per Capita

- San Jose-Sunnyvale-Santa Clara, CA
- Washington-Arlington-Alexandria, DC-VA-MD-WV
- San Francisco-Oakland-Fremont, CA
- Seattle-Tacoma-Bellevue, WA
- Denver-Aurora-Broomfield, CO
- Boston-Cambridge-Quincy, MA-NH
- Atlanta-Sandy Springs-Marietta, GA
- Detroit-Warren-Livonia, MI
- Dallas-Fort Worth-Arlington, TX
- Chicago-Joliet-Naperville, IL-IN-WI
- Minneapolis-St. Paul-Bloomington, MN-MN
- New York-Northern New Jersey-Long Island, NY-NJ-PA
- Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
- Los Angeles-Long Beach-Santa Ana, CA
- Houston-Sugar Land-Baytown, TX

Total Postings: Last 12 months (Dec ‘13-Dec ‘14)

Postings Per 10,000 Working-Age Residents: Last 12 months
Top Titles

- Software Development Engineer
- Java Software Developer
- Software Developer
- Network Engineer
- .Net Developer
- Applications Developer
- Systems Engineer
- Data Analyst
- Solutions Architect
- Web Developer
- Quality Assurance Analyst
- Systems Administrator
- Systems Analyst
- Business Systems Analyst
- Database Administrator

Total Postings: Last 12 Months (December 2013 to December 2014)
ORACLE* SPECIALIZED SKILLS

- Oracle
- SQL
- JAVA
- UNIX
- LINUX
- Extensible Markup Language (XML)
- Oracle PL/SQL
- Business Process
- Accounting
- SQL Server
- SAP
- JavaScript

* Specialized skills that “co-appear” in postings asking for Oracle-related skills.

Total Postings: Last 12 months (December 2013 to December 2014)
TECHNOLOGY: COMPUTER IT BA+

SQL* SPECIALIZED SKILLS

SQL
Oracle
SQL Server
JAVA
JavaScript
.NET Programming
Extensible Markup Language (XML)
Microsoft C#
UNIX
LINUX
Relational Databases
Object-Oriented Analysis and Design (OOAD)

Total Postings: Last 12 months  (December 2013 to December 2014)

* Specialized skills that “co-appear” in postings asking for SQL-related skills
TECHNOLOGY: COMPUTER IT BA+

TOP SKILL CLUSTERS

Software and Programming Skills
Common Skills: Communication and...
Common Skills: Problem Solving
Common Skills: Business Environment...
IT: Programming, Development, and...
IT: Databases and Data Warehousing
Common Skills: Project and Process...
IT: Business Intelligence
IT: Web Design and Technologies
IT: Network Administration and Security
IT: Operating Systems
Digital Media and Design: Tech...
IT: Support
Business: Process and Planning
IT: Software Testing and Qa

TOP BASELINE SKILLS

Communication Skills
Writing
Problem Solving
Organizational Skills
Troubleshooting
Project Management
Planning
Quality Assurance and Control
Research
Microsoft Windows
Microsoft Office
Microsoft Excel
Customer Service
Detail-Oriented
Leadership

Total Postings: Last 12 Months (Dec ‘13 - Dec’ 14)
Top Certifications

- PROJECT MANAGEMENT CERTIFICATION (E.G. PMP)
- CERTIFIED INFORMATION SYSTEMS SECURITY...
- CISCO CERTIFIED NETWORK ASSOCIATE
- MICROSOFT CERTIFIED SYSTEMS ENGINEER (MCSE)
- CISCO CERTIFIED NETWORK PROFESSIONAL (CCNP)
- CERTIFIED INFORMATION SYSTEMS AUDITOR (CISA)
- ACCREDITED CASE MANAGER CERTIFICATION
- CERTIFIED INFORMATION SECURITY MANAGER...
- IT INFRASTRUCTURE LIBRARY
- CERTIFIED PUBLIC ACCOUNTANT
- CISCO CERTIFIED INTERNETWORK EXPERT (CCIE)
- CAPABILITY MODEL MATURITY INTEGRATION...
- MICROSOFT CERTIFIED PROFESSIONAL (MCP)
- NETWORK+ CERTIFIED
- SIX SIGMA CERTIFICATION

Total Postings: Last 12 Months (December 2013 to December 2014)
Top Employers

- Accenture
- General Motors
- Deloitte Development LLC
- AT&T
- Hunter Technical Resources
- Dell
- Pricewaterhousecoopers
- Cox Communications
- Ncr Corporation
- Suntrust Banks
- Coca-Cola Enterprises Inc.
- Agile
- Verizon Communications Incorporated
- Georgia Institute of Technology
- Fiserv

Total Postings: Last 12 Months (December 2013 to December 2014)
Top Industries

- Professional, Scientific, and Technical Services (541)
- Administrative and Support Services (561)
- Telecommunications (517)
- Insurance Carriers and Related Activities (524)
- Educational Services (611)
- Credit Intermediation and Related Activities (522)
- Publishing Industries (except Internet) (511)
- Motor Vehicle and Parts Dealers (441)
- Merchant Wholesalers, Durable Goods (423)
- Hospitals (622)
- Computer and Electronic Product Manufacturing (334)
- Executive, Legislative, and Other General Government Support (542)
- Securities, Commodity Contracts, and Other Financial Activities (523)
- Beverage and Tobacco Product Manufacturing (312)
- Transportation Equipment Manufacturing (336)
TECHNOLOGY: COMPUTER IT BA-

Technology
a. Computer IT BA+
b. **Computer IT BA-**
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience
a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics
a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare
a. Healthcare BA+
b. Healthcare BA-

Manufacturing
a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
The “Computer IT BA-” target industry group includes all postings in the Burning Glass occupation group of Computer IT that have a high school degree or associate’s degree as minimum educational requirements.
Top 5 MSAs + Atlanta

- Washington-Arlington-Alexandria, DC-VA-MD-WV (Metropolitan Statistical Area)
- New York-Northern New Jersey-Long Island, NY-NJ-PA (Metropolitan Statistical Area)
- Dallas-Fort Worth-Arlington, TX (Metropolitan Statistical Area)
- Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area)
- Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area)

Atlanta ranks 6th in the nation.
Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 6\textsuperscript{th} among MSAs in Computer IT BA- jobs, up from 7\textsuperscript{th} in 2007

- From 2007 to 2013, postings in the Atlanta MSA market increased from 1,795 in 2007 to 4,272 in 2013
  - This 138\% increase compares to 162\% growth in the nation on the whole
  - Atlanta’s national share of Computer IT BA- postings fell from 2.5\% in 2007 to 2.2\% in 2013
  - The 145\% trails only Washington, D.C. MSA amongst the top five MSAs in this type of posting
- From 2010 to 2013, Computer IT BA- postings in Atlanta have increased 61\%
  - This compares to 43\% growth in the nation on the whole
  - The 61\% is a higher rate increase than any of the top five MSAs in this type of posting ‘10-’13
Top Locations by Ad Volume

- Washington-Arlington-Alexandria, VA
- New York-Northern New Jersey-Long Island, NY-NJ-PA
- Chicago-Joliet-Naperville, IL-IN-WI
- Dallas-Fort Worth-Arlington, TX
- Los Angeles-Long Beach-Santa Ana, CA
- Atlanta-Sandy Springs-Marietta, GA
- Denver-Aurora-Broomfield, CO
- Houston-Sugar Land-Baytown, TX
- Phoenix-Mesa-Glendale, AZ
- Seattle-Tacoma-Bellevue, WA
- Minneapolis-St. Paul-Bloomington, MN-MN
- San Francisco-Oakland-Fremont, CA
- Detroit-Warren-Livonia, MI
- Baltimore-Towson, MD-DE-WV
- Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
- Charlotte-Gastonia-Concord, NC-SC
- Columbus-Columbiana, OH

Total Postings: Last 12 months (Dec ’13-Dec ’14)

Postings Per 10,000 Working-Age Residents: Last 12 months

- Denver-Aurora-Broomfield, CO
- Washington-Arlington-Alexandria, VA
- Dallas-Fort Worth-Arlington, TX
- Seattle-Tacoma-Bellevue, WA
- Phoenix-Mesa-Glendale, AZ
- Minneapolis-St. Paul-Bloomington, MN
- Chicago-Joliet-Naperville, IL-IN-WI
- San Francisco-Oakland-Fremont, CA
- Atlanta-Sandy Springs-Marietta, GA
- Houston-Sugar Land-Baytown, TX
- Detroit-Warren-Livonia, MI
- Baltimore-Towson, MD-DE-WV
- Raleigh-Cary, NC
- Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
- Charlotte-Gastonia-Concord, NC-SC
- Columbus-Columbiana, OH

Postings Per Capita: Last 12 months
Top Titles

- Network Engineer
- Geek Squad Agent
- Systems Engineer
- Systems Administrator
- Technical Support Specialist
- Security Engineer
- Systems Analyst
- Team Lead
- Desktop Support Technician
- Technical Support Representative
- Software Development Engineer
- Information Technology Specialist
- Help Desk Technician
- Java Software Developer
- Quality Assurance Analyst

Total Postings: Last 12 months (December 2013 to December 2014)
TOP SPECIALIZED SKILLS

- Technical Support
- Cisco
- SQL
- Repair
- Firewalls
- System and Network Configuration
- Network Engineering
- LINUX
- Switches
- Wide Area Network (WAN)
- Oracle
- Software Installation
- Transmission Control Protocol /... (TCP/IP)
- Telecommunications
- JAVA
- UNIX
- Help Desk Support
- Technical Writing / Editing
- Virtual Private Networking (VPN)
- Domain Name System (DNS)
- Collaboration
- Systems Engineering
- Disaster Recovery Planning
- SQL Server
- VoIP
- Extensible Markup Language (XML)
- Network Security
- JavaScript
- OSPF
- Technical Writing / Editing
- Network Administration

Total Postings: Last 12 months
TECHNOLOGY: COMPUTER IT BA-

ORACLE* SPECIALIZED SKILLS

- Oracle
- SQL
- JAVA
- LINUX
- Accounting
- UNIX
- Extensible Markup Language (XML)
- Scheduling
- Technical Support
- Database Administration
- SQL Server

* Specialized skills that “co-appear” in postings asking for Oracle-related skills

Total Postings: Last 12 months (December 2013 to December 2014)
TECHNOLOGY: COMPUTER IT BA-

SQL* SPECIALIZED SKILLS

- SQL
- Oracle
- SQL Server
- JAVA
- Extensible Markup Language (XML)
- Technical Support
- .NET Programming
- JavaScript
- LINUX
- Microsoft C#
- System and Network Configuration
- UNIX

* Specialized skills that “co-appear” in postings asking for SQL-related skills

Total Postings: Last 12 months (December 2013-December 2014)
TECHNOLOGY: COMPUTER IT BA-

TOP CERTIFICATIONS

- CISCO CERTIFIED INTERNETWORK EXPERT (CCIE)
- CISCO CERTIFIED NETWORK PROFESSIONAL (CCNP)
- CISCO CERTIFIED NETWORK ASSOCIATE
- MICROSOFT CERTIFIED SYSTEMS ENGINEER (MCSE)
- CERTIFIED INFORMATION SYSTEMS SECURITY PROFESSIONAL...
- NETWORK+ CERTIFIED
- CERTIFIED A+ TECHNICIAN
- MICROSOFT CERTIFIED PROFESSIONAL (MCP)
- ACCREDITED CASE MANAGER CERTIFICATION
- CISCO CERTIFIED VOICE PROFESSIONAL (CCVP)
- CISCO CERTIFIED DESIGN PROFESSIONAL (CCDP)
- PROJECT MANAGEMENT CERTIFICATION (E.G. PMP)
- JUNIPER NETWORKS CERTIFIED INTERNET EXPERT
- MICROSOFT CERTIFIED SYSTEMS ADMINISTRATOR (MCSA)
- CISCO CERTIFIED SECURITY PROFESSIONAL

Total Postings: Last 12 months
Top Employers

- Best Buy
- The Home Depot Incorporated
- General Electric Company
- Wellstar Health System
- Fiserv
- State Of Georgia's
- Ricoh Electronics
- Cox Communications
- Open Solutions
- Kaiser Permanente
- Ncr Corporation
- Peace Software Incorporated
- Acentia
- Coca-Cola Enterprises Inc.
- Dell

Total Postings: Last 12 months (December 2013 to December 2014)
TECHNOLOGY: COMPUTER IT OVERALL

Technology
a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience
a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics
a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare
a. Healthcare BA+
b. Healthcare BA-

Manufacturing
a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
TECHNOLOGY: COMPUTER IT OVERALL

The overall “Computer IT” target industry group includes all postings in the Burning Glass *occupation* group of Computer IT.
Top 5 MSAs + Atlanta

New York-Northern New Jersey-Long Island, NY-NJ-PA (Metropolitan Statistical Area) - 171,422
Washington-Arlington-Alexandria, DC-VA-MD-WV (Metropolitan Statistical Area) - 124,140
Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area) - 92,098
San Francisco-Oakland-Fremont, CA (Metropolitan Statistical Area) - 89,057
Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area) - 83,988
Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area) - 61,107

Total Postings: 2013

Atlanta ranks 9th in the nation.
Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 9th among MSAs in Computer IT postings, up from 10th in 2007

- From 2007 to 2013, postings in the Atlanta MSA market increased from 37,608 in 2007 to 63,262 in 2013
  - This 68% increase compares to 29% growth in the nation on the whole
  - Atlanta’s national share of Computer IT (overall) postings rose from 2.2% in 2007 to 2.9% in 2013
  - The 68% leads all of the top ranking five MSAs in this type of posting
- From 2010 to 2013, Computer IT (overall) postings in Atlanta have increased 41%
  - This compares to 32% growth in the nation on the whole
  - The 41% is a higher rate increase than four of the top five MSAs in this type of posting ‘00-’13, training only Boston-Cambridge MSA.
### TECHNOLOGY: COMPUTER IT OVERALL

#### Top Locations by Ad Volume

<table>
<thead>
<tr>
<th>Location</th>
<th>Postings</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York-Northern New Jersey-Long Island</td>
<td>200,000</td>
</tr>
<tr>
<td>Washington-Arlington-Alexandria</td>
<td>150,000</td>
</tr>
<tr>
<td>San Francisco-Oakland-Fremont, CA</td>
<td>100,000</td>
</tr>
<tr>
<td>Chicago-Joliet-Naperville, IL-IN-WI</td>
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<tr>
<td>Los Angeles-Long Beach-Santa Ana</td>
<td>50,000</td>
</tr>
<tr>
<td>Boston-Cambridge-Quincy, MA-NH</td>
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</tr>
<tr>
<td>San Jose-Sunnyvale-Santa Clara, CA</td>
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<tr>
<td>Dallas-Fort Worth-Arlington, TX</td>
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<tr>
<td>Atlanta-Sandy Springs-Marietta, GA</td>
<td>50,000</td>
</tr>
<tr>
<td>Seattle-Tacoma-Bellevue, WA</td>
<td>50,000</td>
</tr>
<tr>
<td>Philadelphia-Camden-Wilmington, PA</td>
<td>50,000</td>
</tr>
<tr>
<td>Denver-Aurora-Broomfield, CO</td>
<td>50,000</td>
</tr>
<tr>
<td>Phoenix-Mesa-Glendale, AZ</td>
<td>50,000</td>
</tr>
<tr>
<td>Detroit-Warren-Livonia, MI</td>
<td>50,000</td>
</tr>
<tr>
<td>Houston-Sugar Land-Baytown, TX</td>
<td>50,000</td>
</tr>
</tbody>
</table>

#### Postings Per 10,000 Working-Age Residents: Last 12 months

<table>
<thead>
<tr>
<th>Location</th>
<th>Postings</th>
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</thead>
<tbody>
<tr>
<td>San Jose-Sunnyvale-Santa Clara, CA</td>
<td>700</td>
</tr>
<tr>
<td>San Francisco-Oakland-Fremont, CA</td>
<td>600</td>
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<tr>
<td>Washington-Arlington-Alexandria, DC</td>
<td>500</td>
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<tr>
<td>Denver-Aurora-Broomfield, CO</td>
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<tr>
<td>Boston-Cambridge-Quincy, MA-NH</td>
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<tr>
<td>Seattle-Tacoma-Bellevue, WA</td>
<td>200</td>
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<tr>
<td>Atlanta-Sandy Springs-Marietta, GA</td>
<td>200</td>
</tr>
<tr>
<td>Dallas-Fort Worth-Arlington, TX</td>
<td>200</td>
</tr>
<tr>
<td>Chicago-Joliet-Naperville, IL-IN-WI</td>
<td>100</td>
</tr>
<tr>
<td>Phoenix-Mesa-Glendale, AZ</td>
<td>100</td>
</tr>
<tr>
<td>New York-Northern New Jersey-Long Island</td>
<td>100</td>
</tr>
<tr>
<td>Detroit-Warren-Livonia, MI</td>
<td>100</td>
</tr>
<tr>
<td>Philadelphia-Camden-Wilmington, PA</td>
<td>100</td>
</tr>
<tr>
<td>Los Angeles-Long Beach-Santa Ana</td>
<td>100</td>
</tr>
<tr>
<td>Houston-Sugar Land-Baytown, TX</td>
<td>100</td>
</tr>
</tbody>
</table>

**Total Postings: Last 12 Months (December 2013 to December 2014)**

**Postings Per 10,000 Working-Age Residents: Last 12 months**
Top Titles

- Java Software Developer
- Software Development Engineer
- .Net Developer
- Network Engineer
- Software Developer
- Systems Engineer
- Applications Developer
- Data Analyst
- Solutions Architect
- Web Developer
- Systems Administrator
- Quality Assurance Analyst
- Systems Analyst
- Database Administrator
- Business Systems Analyst

Total Postings: Last 12 Months (December 2013 to December 2014)
TECHNOLOGY: COMPUTER IT OVERALL

TOP SPECIALIZED SKILLS

SQL
JAVA
Oracle
JavaScript
LINUX
SQL Server
UNIX
Extensible Markup Language...
.NET Programming
Microsoft C#
Technical Support
Business Process
Software Engineering
jQuery
Object-Oriented Analysis and...

0 4,000 8,000 12,000 16,000

C++
Software Development
Web Site Development
System and Network Configuration
Cisco
Systems Development Life Cycle...
SAP
HTML5
Web Application Development
Collaboration
Debugging
Relational Databases
Optimization
Firewalls
Database Administration

Total Postings: Last 12 Months (December 2013 to December 2014)
TECHNOLOGY: COMPUTER IT OVERALL

ORACLE* SPECIALIZED SKILLS

Oracle
SQL
JAVA
UNIX
LINUX
Oracle PL/SQL
Extensible Markup Language (XML)
SQL Server
JavaScript
Business Process
Accounting
SAP

* Specialized skills that “co-appear” in postings asking for Oracle-related skills

Total Postings: Last 12 months (December 2013 to December 2014)
TECHNOLOGY: COMPUTER IT OVERALL

SQL* SPECIALIZED SKILLS

Total Postings: Last 12 months (December 2013 to December 2014)

- SQL: 7,522
- Oracle: 7,007
- SQL Server: 6,535
- JAVA: 6,535
- JavaScript: 5,208
- .NET Programming: 5,120
- Extensible Markup Language (XML): 4,677
- Microsoft C#: 4,642
- UNIX: 3,544
- LINUX: 3,489
- Relational Databases: 2,763
- Oracle PL/SQL: 2,729

* Specialized skills that “co-appear” in postings asking for SQL-related skills.
TECHNOLOGY: COMPUTER IT OVERALL

**Top Skill Clusters**

- Software and Programming Skills
- Common Skills: Communication and...
- Common Skills: Problem Solving
- IT: Programming, Development, and...
- Common Skills: Business Environment...
- IT: Databases and Data Warehousing
- IT: Web Design and Technologies
- Common Skills: Project and Process...
- IT: Business Intelligence
- IT: Network Administration and Security
- IT: Operating Systems
- Digital Media and Design: Tech...
- IT: Support
- Business: Process and Planning
- IT: Software Testing and Qa

**Top Baseline Skills**

- Communication Skills
- Writing
- Problem Solving
- Troubleshooting
- Organizational Skills
- Project Management
- Planning
- Microsoft Windows
- Quality Assurance and Control
- Research
- Microsoft Office
- Customer Service
- Microsoft Excel
- Detail-Oriented
- Leadership

Total Postings: Last 12 Months (December 2013 to December 2014)
TECHNOLOGY: COMPUTER IT OVERALL

TOP CERTIFICATIONS

Total Postings: Last 12 Months (December 2013 to December 2014)
TECHNOLOGY: COMPUTER IT OVERALL

Top Employers

- Accenture
- Hunter Technical Resources
- General Motors
- Dell
- AT&T
- Deloitte Development LLC
- Pricewaterhousecoopers
- Ncr Corporation
- Agile
- Fiserv
- Principle Solutions
- Cox Communications
- Suntrust Banks
- Coca-Cola Enterprises Inc.
- Verizon Communications Incorporated

Total Postings: Last 12 Months (December 2013 to December 2014)
TECHNOLOGY: COMPUTER IT OVERALL

Top Industries

Professional, Scientific, and Technical Services (541)
Administrative and Support Services (561)
Insurance Carriers and Related Activities (524)
Telecommunications (517)
Credit Intermediation and Related Activities (522)
Educational Services (611)
Publishing Industries (except Internet) (511)
Merchant Wholesalers, Durable Goods (423)
Hospitals (622)
Motor Vehicle and Parts Dealers (441)
Computer and Electronic Product Manufacturing (334)
Ambulatory Health Care Services (621)
Other Information Services (519)
Executive, Legislative, and Other General Government Support...
Securities, Commodity Contracts, and Other Financial...

Total Postings: Last 12 Months (December 2013 to December 2014)
TECHNOLOGY: SOFTWARE DEVELOPMENT

Technology

a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience

a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics

a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare

a. Healthcare BA+
b. Healthcare BA-

Manufacturing

a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
Software Development

Software development postings cover the full range of roles that relate to the engineering and development of computer software. They include titles such as Software Engineers, System Engineers, Software Developers, and Applications Developers.
Top 5 MSA Job Postings + Atlanta

New York-Northern New Jersey-Long Island, NY-NJ-PA (Metropolitan Statistical Area) - 55,488
San Jose-Sunnyvale-Santa Clara, CA (Metropolitan Statistical Area) - 40,137
San Francisco-Oakland-Fremont, CA (Metropolitan Statistical Area) - 35,646
Washington-Arlington-Alexandria, DC-VA-MD-WV (Metropolitan Statistical Area) - 35,340
Seattle-Tacoma-Bellevue, WA (Metropolitan Statistical Area) - 35,070
Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area) - 21,930

Atlanta ranks 10th in the nation.

Total Postings: Last 12 Months
Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 10\textsuperscript{th} among MSAs in software development postings, up from 11\textsuperscript{th} in 2007

- From 2007 to 2013, postings in the Atlanta MSA market increased from 12,127 in 2007 to 21,930 in 2013
  - This 81% increase compares to 32% growth in the nation on the whole
  - Atlanta’s national share of software development jobs increased from 2.5% in 2007 to 3.4% in 2013
  - The 81% is higher than any of the top five MSAs in this type of posting
- From 2010 to 2013, software development postings in Atlanta have increased 23%
  - This compares to 5.7% growth in the nation on the whole
  - The 23% is higher than all but Seattle among the top five MSAs in this type of posting
TECHNOLOGY: SOFTWARE DEVELOPMENT

TOP LOCATIONS BY AD VOLUME

- New York-Northern New Jersey...
- Washington-Arlington-Alexandria,...
- San Jose-Sunnyvale-Santa Clara,...
- San Francisco-Oakland-Fremont,...
- Chicago-Joliet-Naperville, IL-IN-WI,...
- Seattle-Tacoma-Bellevue, WA...
- Boston-Cambridge-Quincy, MA-...
- Los Angeles-Long Beach-Santa...
- Dallas-Fort Worth-Arlington, TX...
- Atlanta-Sandy Springs-Marietta,...
- Philadelphia-Camden-Wilmington,...
- Detroit-Warren-Livonia, MI...
- Denver-Aurora-Broomfield, CO...
- San Diego-Carlsbad-San Marcos,...
- Houston-Sugar Land-Baytown, TX...

POSTINGS PER CAPITA

- San Jose-Sunnyvale-Santa...
- Seattle-Tacoma-Bellevue, WA...
- San Francisco-Oakland-...
- Washington-Arlington-...
- Boston-Cambridge-Quincy, MA-...
- Atlanta-Sandy Springs-...
- Denver-Aurora-Broomfield, CO...
- San Diego-Carlsbad-San...
- Dallas-Fort Worth-Arlington, TX...
- Chicago-Joliet-Naperville, IL-IN-...
- Detroit-Warren-Livonia, MI...
- New York-Northern New...
- Philadelphia-Camden-...
- Los Angeles-Long Beach-Santa...
- Houston-Sugar Land-Baytown,...

Total Postings: Last 12 months

Postings Per 10,000 Working-Age Residents: Last 12 months
TECHNOLOGY: SOFTWARE DEVELOPMENT

Top Titles

- Software Engineer
- Java Software Developer
- .Net Developer
- Software Developer
- Application Developer
- Business Intelligence Developer
- Java Software Engineer
- Applications Engineer
- Senior Systems Engineer
- Applications Developer
- C# Developer
- Senior Net Developer
- Linux Engineer
- Sharepoint Developer
- Web Developer

Total Postings: Last 12 Months
TECHNOLOGY: SOFTWARE DEVELOPMENT

TOP SPECIALIZED SKILLS

JAVA
SQL
JavaScript
Microsoft C#
.NET Programming
Oracle
Software Engineering
Extensible Markup Language (XML)
Object-Oriented Analysis and Design (OOAD)
SQL Server
LINUX
jQuery
Software Development
UNIX
AJAX

Web Application Development
Scrum
HTML5
C++

Web Site Development
Debugging
Relational Databases
SOAP
Python
Visual Studio
JSON
MySQL

Web Application Development
Microsoft C#
.NET Programming
Oracle
Software Engineering
Extensible Markup Language (XML)
Object-Oriented Analysis and Design (OOAD)
SQL Server
LINUX
jQuery
Software Development
UNIX
AJAX
ORACLE* SPECIALIZED SKILLS

* Specialized skills that “co-appear” in postings asking for Oracle-related skills
TECHNOLOGY: SOFTWARE DEVELOPMENT

SQL* SPECIALIZED SKILLS

- SQL
- JAVA
- JavaScript
- SQL Server
- .NET Programming
- Microsoft C#
- Oracle
- Extensible Markup Language (XML)
- jQuery
- Software Engineering

Total Postings: Last 12 months (November 2013-November 2014)

* Specialized skills that “co-appear” in postings asking for SQL-related skills
MINIMUM EDUCATIONAL REQUIREMENTS

- High school: 4.30%
- Sub- BA: 1.95%
- Bachelor's Degree: 89.34%
- Graduate Degree: 4.41%

TOP CERTIFICATIONS

- Microsoft Certified Systems Engineer (MCSE)
- Cisco Certified Network Associate
- Master Financial Controller
- Cisco Certified Network Professional (CCNP)
- Certified Information Systems Security Professional (CISSP)
- Salesforce.com Developer
- Capability Model Maturity Integration (CMMI) Certification
- VMware Certified Professional
- Project Management Certification (e.g. PMP)
- Microsoft Certified Solution Developer (MCSD)
- Microsoft Certified Technology Specialist (MCTS)
- Microsoft Certified Professional (MCP)
- Cisco Certified Internetwork Expert (CCIE)
- IT Infrastructure Library
- Java Certification (e.g. Sun Certified Java Assoc)

Total Postings: Last 12 months
Top Employers

- Agile: 769
- Firstpro Incorporated: 322
- Choice: 222
- Soltech Incorporated: 207
- General Motors: 191
- Hunter Technical Resources: 189
- Ncr Corporation: 166
- Velossent: 149
- Catapult Services Llc: 146
- Jsi: 143
- Principle Solutions: 121
- Esg Consulting: 116
- Peoplesource: 106
- Accenture: 103
- AT&T: 97

Total Postings: Last 12 months
Total Postings: Last 12 months (December 2013-December 2014)

Note: Only a very small number of postings across most industries include salary information
TECHNOLOGY: SOFTWARE DEVELOPMENT

Summary Table Comparisons

| Occupation                                      | Real Time Job Postings | Advertised Mean Salary | % Real Time Job Postings Requiring High School N/A | % Real Time Job Postings Requiring Post-Secondary or Associate's Degree (Excluding N/A) | % Real Time Job Postings Requiring Bachelor's Degree (Excluding N/A) | % Real Time Job Postings Requiring Graduate or Professional Degree (Excluding N/A) | % Real Time Job Postings with Unspecified Education | % of 2011 Job Holders With a High School Diploma or Less (ACS) | % of 2011 Job Holders With Some College or An Associate's (ACS) | % of 2011 Job Holders With a Bachelor's or Higher (ACS) | 2013 Mean Salary according to BLS | 2012-2013 Percentage Change in Employment | 2012-2022 Projected national change in employment |
|------------------------------------------------|------------------------|------------------------|---------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------|---------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Software Developers, Applications | 18,811 | $95,559 | 4% | 2% | 95% | 19% | 46% | 3% | 15% | 82% | $88,940 | 14,590 | 37% | 22.8% |
| Software Developers, Systems Software       | 2,178   | $93,718 | 11% | 3% | 97% | 14% | 45% | 3% | 15% | 82% | $98,830 | 9,800  | 5%  | 20.4% |

Total Postings: Last 12 months (December ‘13 to December ‘14)
TECHNOLOGY: SOFTWARE DEVELOPMENT BA-

Technology
a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. **Software Development BA-**
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience
a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics
a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare
a. Healthcare BA+
b. Healthcare BA-

Manufacturing
a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
Amongst jobs covering the full range of roles relating to the engineering and development of computer software, those that do not have minimum requirements of a bachelors’ degree or more. Includes titles such as System Engineers and Software Developers.
Top 5 MSA Job Postings + Atlanta

- Washington-Arlington-Alexandria, DC-VA-MD-WV (Metropolitan Statistical Area) - 1,823
- New York-Northern New Jersey-Long Island, NY-NJ-PA (Metropolitan Statistical Area) - 1,650
- Dallas-Fort Worth-Arlington, TX (Metropolitan Statistical Area) - 1,176
- Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area) - 1,103
- Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area) - 945

Atlanta ranks 5th in the nation.

Total Postings: Last 12 Months (November 2013 to November 2014)
Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 5th among MSAs in Software Development BA- postings, up from 10th in 2007

- From 2007 to 2013, postings in the Atlanta MSA market increased from 354 in 2007 to 945 in 2013
  - This 164% increase compares to 155% growth in the nation on the whole
  - Atlanta’s national share of Software Development BA- postings rose from 2.8% in 2007 to 2.9% in 2013
  - The 164% increase ranks in the middle of the top ranking five MSAs in this type of posting, in terms of percentage growth

- From 2010 to 2013, Software Development BA- postings in Atlanta have increased 74%
  - This compares to 69% growth in the nation on the whole
  - The 74% is a higher rate increase than seen in four of the top five MSAs v. this type of posting ‘10-’13, training only Dallas-Fort Worth MSA.
TECHNOLOGY: SOFTWARE DEVELOPMENT BA-

TOP LOCATIONS BY AD VOLUME

- Washington-Arlington-Alexandria,...
- New York-Northern New Jersey-...,
- Dallas-Fort Worth-Arlington, TX...
- Chicago-Joliet-Naperville, IL-IN-WI...
- Los Angeles-Long Beach-Santa Ana,...
- Atlanta-Sandy Springs-Marietta, GA...
- Seattle-Tacoma-Bellevue, WA...
- Minneapolis-St. Paul-Bloomington,...
- Denver-Aurora-Broomfield, CO...
- Boston-Cambridge-Quincy, MA-NH...
- San Francisco-Oakland-Fremont, CA...
- Philadelphia-Camden-Wilmington,...
- San Jose-Sunnyvale-Santa Clara, CA...
- Detroit-Warren-Livonia, MI...

Total Postings: Last 12 months (Nov ‘13-Nov ‘14)

POSTINGS PER CAPITA

- San Jose-Sunnyvale-Santa Clara, CA...
- Washington-Arlington-Alexandria,...
- Denver-Aurora-Broomfield, CO...
- Seattle-Tacoma-Bellevue, WA...
- Dallas-Fort Worth-Arlington, TX...
- Minneapolis-St. Paul-Bloomington,...
- Atlanta-Sandy Springs-Marietta, GA...
- San Francisco-Oakland-Fremont, CA...
- Detroit-Warren-Livonia, MI...
- Chicago-Joliet-Naperville, IL-IN-WI...
- Boston-Cambridge-Quincy, MA-NH...
- Philadelphia-Camden-Wilmington,...
- Houston-Sugar Land-Baytown, TX...
- Los Angeles-Long Beach-Santa Ana,...
- New York-Northern New Jersey-Long...

Postings Per 10,000 Working-Age Residents: Last 12 months
Top Titles

- Systems Engineer
- Software Development Engineer
- Java Software Developer
- Software Developer
- Applications Engineer
- Senior Systems Engineer
- Applications Developer
- Applications Specialist
- Windows Systems Engineer
- .Net Developer
- Windows Engineer
- Linux Engineer
- Applications Analyst
- Soc Engineer
- Business Intelligence Developer

Total Postings: Last 12 months (November 2013 to November 2014)
TECHNOLOGY: SOFTWARE DEVELOPMENT BA-

TOP SPECIALIZED SKILLS

Total Postings: Last 12 months (Nov 2013-Nov 2014)

- SQL
- JAVA
- Systems Engineering
- Oracle
- LINUX
- Technical Support
- Collaboration
- Transmission Control...
- JavaScript
- Extensible Markup Language...
- UNIX
- System and Network...
- Technical Writing / Editing
- Microsoft C#
- Cisco

0 50 100 150 200

Debugging
- Domain Name System (DNS)
- .NET Programming
- Software Architecture
- SQL Server
- Disaster Recovery Planning
- System Design
- Mentoring
- Software Engineering
- C++
- PERL
- VBScript
- Software Development
- Python
- Microsoft SQL

Total Postings: Last 12 months
TECHNOLOGY: SOFTWARE DEVELOPMENT BA-

TOP SKILL CLUSTERS

- Software and Programming Skills
- Common Skills: Communication and Coordination
- Common Skills: Business Environment Skills
- Common Skills: Problem Solving
- IT: Programming, Development, and Engineering
- IT: Network Administration and Security
- IT: Databases and Data Warehousing
- IT: Web Design and Technologies
- IT: Operating Systems
- IT: Support
- Common Skills: Project and Process Flow Skills
- IT: Business Intelligence
- Digital Media and Design: Tech Development and...
- Engineering: General
- Customer Service: Basic Assistance

TOP BASELINE SKILLS

- Communication Skills
- Writing
- Troubleshooting
- Organizational Skills
- Problem Solving
- Microsoft Windows
- Customer Service
- Planning
- Multi-Tasking
- Research
- Project Management
- Quality Assurance and Control
- Leadership
- Microsoft Excel
- Detail-Oriented

Total Postings: Last 12 months (Nov ’13 - Nov ‘14)

Total Postings: Last 12 months
TECHNOLOGY: SOFTWARE DEVELOPMENT BA-

TOP CERTIFICATIONS

- CISCO CERTIFIED INTERNETWORK EXPERT (CCIE)
- MICROSOFT CERTIFIED SYSTEMS ENGINEER (MCSE)
- CISCO CERTIFIED NETWORK ASSOCIATE
- CISCO CERTIFIED NETWORK PROFESSIONAL (CCNP)
- CERTIFIED INFORMATION SYSTEMS SECURITY PROFESSIONAL...
- VMWARE CERTIFIED PROFESSIONAL
- GIAC CERTIFIED INTRUSION ANALYST
- ACCREDITED CASE MANAGER CERTIFICATION
- GIAC CERTIFIED INCIDENT HANDLER
- REGISTERED HEALTH INFORMATION TECHNICIAN
- REGISTERED HEALTH INFORMATION ADMINISTRATOR
- CISCO CERTIFIED DESIGN PROFESSIONAL (CCDP)
- CISCO CERTIFIED VOICE PROFESSIONAL (CCVP)
- JUNIPER NETWORKS CERTIFIED INTERNET EXPERT
- GIAC SECURITY ESSENTIALS

Total Postings: Last 12 months  (November 2013 to November 2014)
TECHNOLOGY: SOFTWARE DEVELOPMENT BA-

TOP EMPLOYERS

- The Home Depot Incorporated
- Fiserv
- Cisco Systems Incorporated
- General Electric Company
- Open Solutions
- Cbeyond Communications
- Publix
- Accenture
- IBM
- Cox Communications
- Rent-A-Center
- Soltech Incorporated
- Oshkosh Bgosh Incorporated
- Fishnet Security
- Kaiser Permanente

Total Postings: Last 12 months (Nov ‘13-Nov ‘14)
TECHNOLOGY: WIRELESS/MOBILITY

Technology

a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. **Wireless/Mobility**
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience

a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics

a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare

a. Healthcare BA+
b. Healthcare BA-

Manufacturing

a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
Wireless/Mobility jobs cover the emerging mobile application sector and include jobs developing applications for iOS, Android, and other mobile technologies.
TECHNOLOGY: WIRELESS/MOBILITY

Top 5 MSA Job Postings + Atlanta

San Jose-Sunnyvale-Santa Clara, CA (Metropolitan Statistical Area)
San Francisco-Oakland-Fremont, CA (Metropolitan Statistical Area)
New York-Northern New Jersey-Long Island, NY-NJ-PA (Metropolitan Statistical Area)
Seattle-Tacoma-Bellevue, WA (Metropolitan Statistical Area)
Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area)

Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area)

Total Postings: 2013

Atlanta ranks 9th in the nation.
Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 9th among MSAs in wireless mobility postings, up from 15th in 2007

- From 2007 to 2013, postings in the Atlanta MSA market increased from 802 in 2007 to 2,325 in 2013
  - This 190% increase compares to 111% growth in the nation on the whole
  - Atlanta’s national share of wireless mobility jobs increased from 2.2% in 2007 to 3% in 2013
  - The 190% trails percent growth in two of the top five MSAs in this type of posting—Seattle and San Francisco
- From 2010 to 2013, wireless mobility postings in Atlanta have increased 106%
  - This compares to about 50% growth in the nation on the whole
  - The 106% is higher than all other of the top five MSAs in this type of posting
TECHNOLOGY: WIRELESS/MOBILITY

TOP SPECIALIZED SKILLS

JAVA
JavaScript
Object-Oriented Analysis and Design...
SQL
HTML5
Microsoft C#
Software Engineering
Objective C
Extensible Markup Language (XML)
Mobile Application Design
jQuery
C++
Mobile Application Design
Web Site Development
LINUX
Web Application Development

Python
.NET Programming
Android
Ruby on Rails
PERL
AJAX
Mobile Applications
JSON
Oracle
Debugging
Hypertext Preprocessor (PHP)
UNIX
Software Development
Scrum
PostgreSQL

Total Postings: Last 12 months
TECHNOLOGY: WIRELESS/MOBILITY

ORACLE* SPECIALIZED SKILLS

- Oracle
- SQL
- JAVA
- JavaScript
- LINUX
- UNIX
- SQL Server
- Extensible Markup Language (XML)
- Apache Webserver
- Oracle PL/SQL

Total Postings: Last 12 months (November 2013-November 2014)

* Specialized skills that “co-appear” in postings asking for Oracle-related skills
SQL* SPECIALIZED SKILLS

- SQL
- JAVA
- JavaScript
- Oracle
- Microsoft C#
- Extensible Markup Language (XML)
- SQL Server
- LINUX
- .NET Programming
- UNIX

Total Postings: Last 12 months (November 2013-November 2014)

* Specialized skills that “coappear” in postings asking for SQL-related skills
TECHNOLOGY: WIRELESS/MOBILITY

TOP SKILL CLUSTERS

- Software and Programming Skills
- IT: Programming, Development, and Engineering
- IT: Web Design and Technologies
- Digital Media and Design: Tech Development and Design
- Common Skills: Communication and Coordination
- Common Skills: Problem Solving
- Common Skills: Business Environment Skills
- IT: Databases and Data Warehousing
- Common Skills: Project and Process Flow Skills
- IT: Business Intelligence
- IT: Operating Systems
- IT: Network Administration and Security
- Customer Service: Basic Assistance: Technical and Electronic
- IT: Support
- Data Mining: General

TOP BASELINE SKILLS

- Communication Skills
- Writing
- Microsoft Windows
- Quality Assurance and Control
- Troubleshooting
- Organizational Skills
- Problem Solving
- Leadership
- Self-Starter
- Planning
- Research
- Project Management
- Customer Service
- Microsoft Office
- Creativity

Total Postings: Last 12 months
TECHNOLOGY: WIRELESS/MOBILITY

MINIMUM EDUCATIONAL REQUIREMENTS

- High school: 3.25%
- Sub-BA: 1.95%
- Bachelor's Degree: 92.85%
- Graduate Degree: 1.95%

TOP CERTIFICATIONS

1. TOGAF
2. CERTIFIED INFORMATION SYSTEMS SECURITY PROFESSIONAL
3. BUILDING PERFORMANCE INSTITUTE (BPI)
4. MASTER FINANCIAL CONTROLLER
5. PROJECT MANAGEMENT CERTIFICATION (E.G. PMP)
6. CERTIFIED INFORMATION SECURITY MANAGER (CISM)
7. CAPABILITY MODEL MATURITY INTEGRATION (CMMI)
8. IT INFRASTRUCTURE LIBRARY
9. ENGINEER IN TRAINING CERTIFICATION
10. MICROSOFT CERTIFIED SOLUTION DEVELOPER (MCSD)
11. CISCO CERTIFIED NETWORK ASSOCIATE
12. MICROSOFT CERTIFIED SYSTEMS ENGINEER (MCSE)
13. LINUX+
14. MICROSOFT CERTIFIED PROFESSIONAL (MCP)
15. HVAC TECHNICIAN CERTIFICATION (E.G. EPA 608)

Total Postings: Last 12 months
Top Employers

- Choice: 89 postings
- Soltech Incorporated: 31 postings
- Esg Consulting: 29 postings
- Firstpro Incorporated: 29 postings
- AT&T: 23 postings
- Accenture: 23 postings
- Hunter Technical Resources: 22 postings
- General Motors: 21 postings
- Agile: 20 postings
- Open Systems Incorporated: 18 postings
- Unbounded Solutions Incorporated: 17 postings
- Velossent: 16 postings
- Ncr Corporation: 15 postings
- Reed Elsevier: 15 postings
- Ashley Ellis: 14 postings

Total Postings: Last 12 months
TECHNOLOGY: INTERNET SECURITY

Technology

a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience

a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics

a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare

a. Healthcare BA+
b. Healthcare BA-

Manufacturing

a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
Internet Security

Internet Security covers jobs related to protecting computer networks and data from unauthorized intrusion and attacks. Common titles include security engineers, analysts and auditors.
Top 5 MSA Job Postings + Atlanta

Atlanta ranks 6th in the nation.

Total Postings: 2013
Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 6th among MSAs in information security postings, up from 13th in 2007

- From 2007 to 2013, postings in the Atlanta MSA market increased from 612 in 2007 to 2,395 in 2013
  - This 290% increase compares to 94% growth in the nation on the whole
  - Atlanta’s national share of info security jobs increased from 1.7% in 2007 to 3.3% in 2013
  - The 290% is higher than all other of the top five MSAs in this type of posting
- From 2010 to 2013, information security postings in Atlanta have increased 102%
  - This compares to about 37% growth in the nation on the whole
  - The 102% trails percent growth in two of the top five MSAs in this type of posting—Chicago and Dallas
TECHNOLOGY: INTERNET SECURITY

TOP LOCATIONS BY AD VOLUME

POSTINGS PER CAPITA

Washington-Arlington-Alexandria, DC...
New York-Northern New Jersey-Long Island, NY-NJ-PA...
Chicago-Joliet-Naperville, IL-IN-WI...
Dallas-Fort Worth-Arlington, TX...
San Francisco-Oakland-Fremont, CA...
Boston-Cambridge-Quincy, MA-NH...
Baltimore-Towson, MD (Metropolitan)
San Jose-Sunnyvale-Santa Clara, CA...
Los Angeles-Long Beach-Santa Ana, CA...
Atlanta-Sandy Springs-Marietta, GA...
Seattle-Tacoma-Bellevue, WA...
Philadelphia-Camden-Wilmington, PA-
St. Louis, MO-IL (Metropolitan Statistical Area)
Denver-Aurora-Broomfield, CO...
San Francisco-Oakland-Fremont, CA...

Total Postings: Last 12 months
Postings Per 10,000 Working-Age Residents: Last 12 months
TECHNOLOGY: INTERNET SECURITY

Top Titles

Security Engineer
Information Technology Auditor
Security Analyst
Information Security Analyst
Information Technology Security Analyst
Network Security Engineer
Security Architect
Security Manager
It Security Director
Security Administrator
Security Consultant
Information Security Engineer
Information Security Manager
Information Security Analyst
Information Technology Manager
Network Security Analyst

Total Postings: Last 12 months
TECHNOLOGY: INTERNET SECURITY

ORACLE* SPECIALIZED SKILLS

Total Postings: Last 12 months (November 2013-November 2014)

* Specialized skills that “co-appear” in postings asking for Oracle-related skills.
**TECHNOLOGY: INTERNET SECURITY**

**SQL* SPECIALIZED SKILLS**

- SQL
- Information Security
- Oracle
- UNIX
- Firewalls
- LINUX
- CISA
- Transmission Control Protocol / Internet Protocol (TCP/IP)
- Network Security
- Scanners

* Specialized skills that “co-appear” in postings asking for SQL-related skills

Total Postings: Last 12 months (November 2013-November 2014)
TECHNOLOGY: INTERNET SECURITY

TOP SKILL CLUSTERS

- Software and Programming Skills
- IT: Network Administration and Security
- Common Skills: Communication and Problem Solving
- Common Skills: Business
- Common Skills: Project and Process
- IT: Operating Systems
- Finance: Financial Compliance and Management
- IT: Programming, Development, and Testing
- IT: Business Intelligence
- IT: Databases and Data Warehousing
- Business: Process and Planning
- Customer Service: Basic Assistance
- Customer Service: Basic Assistance
- Finance: Accounting, Bookkeeping

TOP BASELINE SKILLS

- Communication Skills
- Organizational Skills
- Writing
- Leadership
- Project Management
- Microsoft Windows
- Management
- Problem Solving
- Planning
- Research
- Troubleshooting
- Customer Service
- Microsoft Excel
- Presentation Skills
- Microsoft Office

Total Postings: Last 12 months
TECHNOLOGY: INTERNET SECURITY

MINIMAL EDUCATIONAL REQUIREMENTS

- High school: 8.04%
- Sub-BA: 2.32%
- Bachelor's degree: 86.24%
- Graduate degree: 3.41%

TOP CERTIFICATIONS

- CERTIFIED INFORMATION SYSTEMS SECURITY PROFESSIONAL (CISSP)
- CERTIFIED INFORMATION SYSTEMS AUDITOR (CISA)
- CERTIFIED INFORMATION SECURITY MANAGER (CISM)
- GIAC SECURITY ESSENTIALS
- CISCO CERTIFIED NETWORK ASSOCIATE
- GIAC CERTIFIED INCIDENT HANDLER
- GIAC CERTIFIED INTRUSION ANALYST
- CERTIFIED PUBLIC ACCOUNTANT
- GIAC PENETRATION TESTER
- CISCO CERTIFIED NETWORK PROFESSIONAL (CCNP)
- PROJECT MANAGEMENT CERTIFICATION (E.G. PMP)
- SECURITY+
- IT INFRASTRUCTURE LIBRARY
- CHECK POINT CERTIFIED SECURITY ADMINISTRATOR
- CERTIFIED IN RISK AND INFORMATION SYSTEMS CONTROL

Total Postings: Last 12 months
Top Employers

- Agile
- Dell
- Fiserv
- Siemens
- The Home Depot Incorporated
- Pricewaterhousecoopers
- Hewlett-Packard
- General Motors
- Suntrust Banks
- Kimberly-Clark
- Coca-Cola Enterprises Inc.
- Verizon Communications Incorporated
- Open Solutions
- Ernst & Young
- The Royak Group Inc.
TECHNOLOGY: DIGITAL MEDIA AND GAMING

Technology

a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience

a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics

a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare

a. Healthcare BA+
b. Healthcare BA-

Manufacturing

a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
Digital Media and Gaming

Digital media jobs cover the essential skill sets of the digital design economy including visual design, video production, digital strategy, web journalism and publishing, web production and game design.
Top 5 MSAs + Atlanta

- New York-Northern New Jersey-Long Island, NY-NJ-PA (Metropolitan Statistical Area) - 71,212
- San Francisco-Oakland-Fremont, CA (Metropolitan Statistical Area) - 39,029
- Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area) - 37,578
- Washington-Arlington-Alexandria, DC-VA-MD-WV (Metropolitan Statistical Area) - 36,585
- Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area) - 31,154

Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area) - 24,065

Total Postings: 2013

Atlanta ranks 9th in the nation.
TECHNOLOGY: DIGITAL MEDIA

Digital Media: Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 9th among MSAs in digital media postings, up from 11th in 2007

- From 2007 to 2013, postings in the Atlanta MSA market increased from 7,162 in 2007 to 24,065 in 2013
  - This 236% increase compares to 188% growth in the nation on the whole
  - Atlanta’s national share of info security jobs increased from 3.0% in 2007 to 3.5% in 2013
  - The 236% is higher than four of the top five MSAs in this type of posting—Chicago is the exception

- From 2010 to 2013, digital media postings in Atlanta have increased 48% (nearly 7,800 “new” postings)
  - This compares to about 27% growth in the nation on the whole
  - The 48% is higher than all other of the top five MSAs in this type of posting in this type of posting
TECHNOLOGY: DIGITAL MEDIA

TOP LOCATIONS BY AD VOLUME

- New York-Northern New Jersey-Long Island, NY-NJ-CT
- Washington-Arlington-Alexandria, DC-VA-MD-WV
- Los Angeles-Long Beach-Santa Ana, CA-OR-NV
- San Francisco-Oakland-Fremont, CA-OR-NV
- Chicago-Joliet-Naperville, IL-IN-WI
- San Jose-Sunnyvale-Santa Clara, CA-OR-NV
- Seattle-Tacoma-Bellevue, WA
- Boston-Cambridge-Quincy, MA-NH
- Atlanta-Sandy Springs-Marietta, GA
- Dallas-Fort Worth-Arlington, TX
- Chicago-Joliet-Naperville, IL-IN-WI
- New York-Northern New Jersey-Long Island, NY-NJ-CT
- Denver-Aurora-Broomfield, CO
- Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
- Miami-Fort Lauderdale-Pompano, FL
- Phoenix-Mesa-Scottsdale, AZ

POSTINGS PER CAPITA

- San Jose-Sunnyvale-Santa Clara, CA-OR-NV
- San Francisco-Oakland-Fremont, CA-OR-NV
- Washington-Arlington-Alexandria, DC-VA-MD-WV
- Seattle-Tacoma-Bellevue, WA
- Boston-Cambridge-Quincy, MA-NH
- Atlanta-Sandy Springs-Marietta, GA
- Denver-Aurora-Broomfield, CO
- Chicago-Joliet-Naperville, IL-IN-WI
- Dallas-Fort Worth-Arlington, TX
- Los Angeles-Long Beach-Santa Ana, CA-OR-NV
- Detroit-Warren-Livonia, MI
- Phoenix-Mesa-Scottsdale, AZ
- Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
- Miami-Fort Lauderdale-Pompano, FL

Total Postings: Last 12 months
Postings Per 10,000 Working-Age Residents: Last 12 months
TECHNOLOGY: DIGITAL MEDIA

Top Titles

- Java Software Developer
- Software Engineer
- Web Developer
- .Net Developer
- Software Developer
- Graphic Designer
- User Interface (UI) Developer
- Php Developer
- Application Developer
- Web Designer/Developer
- Front End Developer
- Asp .Net Developer
- Technical Writer
- Applications Developer
- Java Software Engineer

Total Postings: Last 12 months
TECHNOLOGY: DIGITAL MEDIA

TOP SPECIALIZED SKILLS

JavaScript
JAVA
SQL
jQuery
Web Site Development
Extensible Markup Language (XML)
.NET Programming
Microsoft C#
AJAX
HTML5
Oracle
LINUX
Object-Oriented Analysis and Design...
SQL Server
Software Engineering

Web Application Development
UNIX
Apache Webserver
Software Development
User Interface (UI) Design
Hypertext Preprocessor (PHP)
Scrum
Adobe Photoshop
Adobe Acrobat
Web Site Design
Hypertext Preprocessor (PHP)
JSON
MySQL
Python
Tomcat
SOAP

Total Postings: Last 12 months
ORACLE* SPECIALIZED SKILLS

- Oracle
- JAVA
- SQL
- JavaScript
- Extensible Markup Language (XML)
- LINUX
- UNIX
- Apache Webserver
- Oracle PL/SQL
- jQuery

Total Postings: Last 12 months  (November 2013-November 2014)

* Specialized skills that “co-appear” in postings asking for Oracle-related skills
* Specialized skills that “co-appear” in postings asking for SQL-related skills

Total Postings: Last 12 months  (November 2013-November 2014)
TECHNOLOGY: DIGITAL MEDIA

TOP SKILL CLUSTERS

Software and Programming Skills
Digital Media and Design: Technical Skills
IT: Programming, Development, and Applications
Common Skills: Communication
IT: Web Design and Technologies
Common Skills: Problem Solving
Common Skills: Business
IT: Databases and Data Management
Common Skills: Project and Team Management
IT: Business Intelligence
Digital Media and Design: Visual Skills
IT: Operating Systems
IT: Network Administration and Security
Digital Media and Design: Digital Skills
Customer Service: Basic Skills

TOP BASELINE SKILLS

Communication Skills
Writing
Problem Solving
Organizational Skills
Troubleshooting
Leadership
Quality Assurance and Control
Research
Planning
Project Management
Microsoft Windows
Creativity
Detail-Oriented
Management
Microsoft Excel

Total Postings: Last 12 months
MINIMUM EDUCATIONAL REQUIREMENTS

- High school: 6.45%
- Sub-BA: 3.21%
- Bachelor's degree: 86.11%
- Graduate degree: 4.24%

CERTIFICATIONS REQUIRED

- Cisco Certified Network Associate
- Project Management Certification (e.g., PMP)
- Certified Information Systems Security Professional (CISSP)
- Microsoft Certified Systems Engineer (MCSE)
- Cisco Certified Network Professional (CCNP)
- Microsoft Certified Technology Specialist (MCTS)
- Red Hat Certified Engineer
- Capability Model Maturity Integration (CMMI) Certification
- Scrum
- Cisco Certified Internetwork Expert (CCIE)
- Agile Certification
- Building Performance Institute (BPI)
- VMware Certified Professional
- IT Infrastructure Library
- Microsoft Certified Professional (MCP)

Total Postings: Last 12 months
Top Employers

- Agile
- Firstpro Incorporated
- Choice
- Soltech Incorporated
- Turner Broadcasting
- Accenture
- AT&T
- The Home Depot Incorporated
- Airwatch, Llc
- Esg Consulting
- Peoplesourcer
- Dell
- United Parcel Service Incorporated
- Catapult Services Llc
- Capgemini

Total Postings: Last 12 months
TECHNOLOGY: FINANCIAL TRANSACTIONS PROCESSING

Technology

a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. **Financial Transactions Processing**

Bioscience

a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics

a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare

a. Healthcare BA+
b. Healthcare BA-

Manufacturing

a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
Financial Transactions Processing

Financial transactions processing jobs cover IT back office jobs such as system administrators, database administrators, software developers, and analysts in the data processing, accounting, finance, and banking industries.
Atlanta ranks 11th in the nation.

Top 5 MSA Job Postings + Atlanta

Seattle-Tacoma-Bellevue, WA (Metropolitan Statistical Area) - 12,287
New York-Northern New Jersey-Long Island, NY-NJ-PA (Metropolitan Statistical Area) - 11,383
San Jose-Sunnyvale-Santa Clara, CA (Metropolitan Statistical Area) - 7,436
San Francisco-Oakland-Fremont, CA (Metropolitan Statistical Area) - 5,521
Boston-Cambridge-Quincy, MA-NH (Metropolitan NECTA) - 5,134
Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area) - 3,420

Total Postings: Last 12 months
Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 11th among MSAs in financial transactions postings, up from 12th in 2007

- From 2007 to 2013, postings in the Atlanta MSA market increased from 2,297 in 2007 to 3,420 in 2013
  - This 49% increase compares to 24% growth in the nation on the whole
  - Atlanta’s national share of financial transactions jobs increased from 2.3% in 2007 to 2.7% in 2013
  - The 49% trails percent growth in two of the top five MSAs in this type of posting—Seattle and San Jose
- From 2010 to 2013, financial transactions postings in Atlanta have increased 36.3% (nearly 1,000 “new” postings)
  - This is roughly equal to percentage growth (36.6%) in the nation on the whole
  - The 36% is lower than in four of the top five MSAs in this type of posting—higher than New York though
TECHNOLOGY: FINANCIAL TRANSACTIONS PROCESSING

TOP SPECIALIZED SKILLS

- SQL
- Oracle
- JAVA
- Business Process
- LINUX
- UNIX
- Microsoft C#
- .NET Programming
- Extensible Markup Language (XML)
- Software Engineering
- SQL Server
- Software Development
- JavaScript
- Accounting
- Technical Writing / Editing

- Collaboration
- Data Management
- System and Network...
- Object-Oriented Analysis and...
- Hardware and Software...
- Relational Databases
- C++
- Process Improvement
- Systems Development Life...
- Business Analysis
- Mentoring
- Business Development
- Concise
- Risk Management
- Decision Making

Total Postings: Last 12 months
TECHNOLOGY: FINANCIAL TRANSACTIONS PROCESSING

ORACLE* SPECIALIZED SKILLS

* Specialized skills that “co-appear” in postings asking for Oracle-related skills

Total Postings: Last 12 months (November 2013-November 2014)
TECHNOLOGY: FINANCIAL TRANSACTIONS PROCESSING

SQL* SPECIALIZED SKILLS

- SQL
- Oracle
- SQL Server
- JAVA
- Microsoft C#
- .NET Programming
- JavaScript
- Extensible Markup Language (XML)
- UNIX
- Software Engineering

* Specialized skills that “co-appear” in postings asking for SQL-related skills

Total Postings: Last 12 months (November 2013-November 2014)
TECHNOLOGY: FINANCIAL TRANSACTIONS PROCESSING

TOP SKILL CLUSTERS

- Software and Programming Skills
- Common Skills: Communication
- Common Skills: Business
- Common Skills: Problem Solving
- IT: Databases and Data
- Common Skills: Project and... (truncated)
- IT: Programming, Development,... (truncated)
- IT: Business Intelligence
- Business: Process and Planning
- IT: Network Administration and...
- IT: Web Design and Technologies
- IT: Operating Systems
- Customer Service: Basic...
- Customer Service: Basic Assistance
- Digital Media and Design: Tech...

TOP BASELINE SKILLS

- Communication Skills
- Organizational Skills
- Writing
- Leadership
- Problem Solving
- Project Management
- Troubleshooting
- Planning
- Management
- Customer Service
- Microsoft Windows
- Research
- Quality Assurance and Control
- Microsoft Excel
- Microsoft Office

Total Postings: Last 12 months
TECHNOLOGY: FINANCIAL TRANSACTIONS PROCESSING

MINIMUM EDUCATION REQUIREMENTS

- High school: 6.68%
- Sub-BA: 3.86%
- Bachelor's degree: 86.49%
- Graduate degree: 2.97%

TOP CERTIFICATIONS

- Project Management Certification (e.g. PMP)
- Certified Information Systems Security Professional (CISSP)
- Certified Information Systems Auditor (CISA)
- Certified Public Accountant
- Certified Information Security Manager (CISM)
- IT Infrastructure Library
- Microsoft Certified Systems Engineer (MCSE)
- Six Sigma Certification
- Cisco Certified Network Associate
- Cisco Certified Network Professional (CCNP)
- VMware Certified Professional
- Red Hat Certified Engineer
- Professional in Human Resources
- Certified Fraud Examiner
- Master Financial Controller

Total Postings: Last 12 months
Top Employers

- NCR Corporation
- Suntrust Banks
- Fiserv
- Pricewaterhousecoopers
- Automatic Data Processing Incorporated
- Total System Services
- KPMG
- Oracle
- TSYS
- First Data
- ACI Worldwide
- Bank of America
- FIS
- Northwest Software
- Microsoft Corporation

Total Postings: Last 12 months
BIOSCIENCE HEALTH IT SOFTWARE DEVELOPMENT

Technology
  a. Computer IT BA+
  b. Computer IT BA-
  c. Computer IT Overall
  d. Software Development
  e. Software Development BA-
  f. Wireless/Mobility
  g. Internet Security
  h. Digital Media and Gaming
  i. Financial Transactions Processing

Bioscience
  a. Health IT Software Development
  b. Biotech
  c. Biotech BA+
  d. Biotech BA-

Supply Chain & Logistics
  a. Supply Chain Management & Software
  b. Distribution Services

Hospitality

Healthcare
  a. Healthcare BA+
  b. Healthcare BA-

Manufacturing
  a. Manufacturing Overall
  b. Manufacturing BA+
  c. Manufacturing BA-
  d. Manufacturing Advanced
The emerging health informatics sector has created a new category of software development roles: producing electronic medical records and clinical decision support software. This field requires a workforce with expertise in bot software development and clinical care.
Atlanta ranks 13th in the nation.

Top 5 MSA Job Postings + Atlanta

New York-Northern New Jersey-Long Island, NY-NJ-PA (Metropolitan Statistical Area)
Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area)
Seattle-Tacoma-Bellevue, WA (Metropolitan Statistical Area)
Dallas-Fort Worth-Arlington, TX (Metropolitan Statistical Area)
Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area)
Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area)

Total Postings: 2013
Health IT Software Development: Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 13th among MSAs in health IT software postings, up from 22nd in 2007

- From 2007 to 2013, postings in the Atlanta MSA market increased from 530 in 2007 to 1,525 in 2013
  - This 188% increase compares to 76% growth in the nation on the whole
  - Atlanta’s national share of Health IT software jobs increased from 1.1% in 2007 to 1.8% in 2013
  - The 188% is higher than all other of the top five MSAs in this type of posting
  - There was a drop in postings in this sector 2012-2013, from 2,035 to 1,525 postings
  - From 2007-2012, postings growth was 284% in the Atlanta market

- From 2010 to 2013, with the drop 2012-13, health IT software postings in Atlanta increased 22.3%
  - This is slightly lower than the 23.7% percentage growth in the nation on the whole
  - The 22% is still healthier than trends in two of the top five MSAs in this type of posting—LA and Chicago (LA had a drop 2011-2012 similar to Atlanta’s 2012-2013 drop)
BIOSCIENCE: HEALTH IT SOFTWARE DEVELOPMENT

TOP LOCATIONS BY AD VOLUME

1. New York-Northern New Jersey-Long Island, NY-NJ-CT
2. Chicago-Joliet-Naperville, IL-IN-WI
3. Los Angeles-Long Beach-Santa Ana, CA
4. Dallas-Fort Worth-Arlington, TX
5. Seattle-Tacoma-Bellevue, WA
7. Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
8. Washington-Arlington-Alexandria, DC-VA-MD-WV
9. Houston-Sugar Land-Baytown, TX
10. Phoenix-Mesa-Glendale, AZ
11. San Francisco-Oakland-Fremont, CA
13. San Francisco-Oakland-Fremont, CA
14. Denver-Aurora-Broomfield, CO
15. Baltimore-Towson, MD
16. Atlanta-Sandy Springs-Marietta, GA
17. Miami-Fort Lauderdale-Pompano Beach, FL
18. Phoenix-Mesa-Glendale, AZ

Total Postings: Last 12 months

POSTINGS PER CAPITA

1. Nashville-Davidson-Murfreesboro-Lascassas, TN
2. Seattle-Tacoma-Bellevue, WA
3. Denver-Aurora-Broomfield, CO
4. Baltimore-Towson, MD
5. Phoenix-Mesa-Glendale, AZ
6. Dallas-Fort Worth-Arlington, TX
7. Chicago-Joliet-Naperville, IL-IN-WI
8. Boston-Cambridge-Quincy, MA
9. San Francisco-Oakland-Fremont, CA
10. Miami-Fort Lauderdale-Pompano Beach, FL
11. Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
12. Houston-Sugar Land-Baytown, TX
14. Atlanta-Sandy Springs-Marietta, GA
15. Los Angeles-Long Beach-Santa Ana, CA

Postings Per 10,000 Working-Age Residents: Last 12 months
BIOSCIENCE: HEALTH IT SOFTWARE DEVELOPMENT

Top Titles

- Medical Coder: 100
- Clinical Documentation Consultant: 70
- Release Of Information Specialist I: 60
- Information Technology Analyst: 50
- Health Information Manager: 40
- Registered Nurse: 30
- Information Technology Manager: 20
- Director Of Nursing: 20
- Medical Records Coder: 20
- Health Manager, It Systems: 20
- Clinical Documentation Manager: 20
- Information Technology Project Manager: 20
- Health Scientist Informatics: 20
- Data Analyst: 20
- Medical Records Clerk: 20

Total Postings: Last 12 months
BIOSCIENCE: HEALTH IT SOFTWARE DEVELOPMENT

MINIMUM EDUCATION REQUIREMENT

- High school: 24.15%
- Sub-BA: 24.91%
- Bachelor’s degree: 47.26%
- Graduate degree: 3.68%

TOP CERTIFICATIONS

- REGISTERED HEALTH INFORMATION ADMINISTRATOR
- REGISTERED HEALTH INFORMATION TECHNICIAN
- CERTIFIED PROFESSIONAL CODER
- CERTIFIED CODING SPECIALIST
- CERTIFIED PROFESSIONAL CODER-HOSPITAL OUTPATIENT
- EPIC CERTIFICATION
- PROJECT MANAGEMENT CERTIFICATION (E.G. PMP)
- CERTIFIED CODING ASSOCIATE
- ACUTE CARE CERTIFICATION
- CERTIFIED MEDICATION TECHNICIAN
- CERTIFIED QUALITY INSPECTOR
- CERTIFIED CLINICAL DOCUMENT SPECIALIST
- CLINICAL DOCUMENTATION IMPROVEMENT PRACTITIONER
- CERTIFIED INTERVENTIONAL RADIOLOGY CARDIOVASCULAR CODER
- MEDICAL BILLING AND CODING CERTIFICATION

Total Postings: Last 12 months
BIOSCIENCE: BIOTECH

Technology
a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience
a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics
a. Supply Chain Management & Software
b. Distribution Services

Hospitality
Healthcare
a. Healthcare BA+
b. Healthcare BA-

Manufacturing
a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
Biotech postings are classified to include occupations such as medical clinicians and technicians, biostatisticians, biochemists, microbiologists, regulatory officers, and quality control analysts & managers, with overlap into specific industries of medical equipment manufacturing and inspection/testing of medical equipment and samples.
Atlanta ranks 23rd in the nation.
Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 22nd among MSAs in biotech postings, the same relative ranking as in 2007

- From 2007 to 2013, postings in the Atlanta MSA market increased from 479 in 2007 to 723 in 2013
  - This 51% increase compares to a drop of 4.4% for the nation on the whole in that period
  - Atlanta’s national share of biotech postings increased from 0.8% in 2007 to 1.2% in 2013 (still, small national shares)
  - The 51% is higher percentage growth than in any of the top five MSAs in this type of posting
- From 2010 to 2013, biotech postings in Atlanta have increased 8.1% (only 50 “new” postings)
  - This is lower than the percentage growth (13.5%) in the nation on the whole
  - The 8.1% is lower than in three of the top five MSAs in this type of posting
BIOSCIENCE: BIOTECH

TOP LOCATIONS BY AD VOLUME

- New York-Northern New Jersey-Long Island, NY-NJ-CT
- Boston-Cambridge-Quincy, MA-NH-RI
- San Francisco-Oakland-Fremont, CA
- Los Angeles-Long Beach-Santa Ana, CA
- Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
- Chicago-Joliet-Naperville, IL-IN-WI
- San Diego-Carlsbad-San Marcos, CA
- Washington-Arlington-Alexandria, DC-VA-MD-WV
- Dallas-Fort Worth-Arlington, TX
- Seattle-Tacoma-Bellevue, WA
- Minneapolis-St. Paul-Bloomington, MN-MO
- Houston-Sugar Land-Baytown, TX
- Chicago-Joliet-Naperville, IL-IN-WI
- Durham-Chapel Hill, NC (Metropolitan Area)
- Detroit-Warren-Livonia, MI
- San Jose-Sunnyvale-Santa Clara, CA
- Atlanta-Sandy Springs-Marietta, GA

POSTINGS PER CAPITA

- Durham-Chapel Hill, NC
- San Francisco-Oakland-San Jose, CA
- Boston-Cambridge-Quincy, MA-NH-RI
- San Diego-Carlsbad-San Marcos, CA
- Philadelphia-Camden-Wilmington, PA-NJ-DE-MD
- Chicago-Joliet-Naperville, IL-IN-WI
- New York-Northern New Jersey-Long Island, NY-NJ-CT
- Washington-Arlington-Alexandria, DC-VA-MD-WV
- Minneapolis-St. Paul-Bloomington, MN-MO
- Detroit-Warren-Livonia, MI
- Los Angeles-Long Beach-Santa Ana, CA
- Houston-Sugar Land-Baytown, TX
- Seattle-Tacoma-Bellevue, WA
- Atlanta-Sandy Springs-Marietta, GA

Total Postings: Last 12 months (Nov ‘13-Nov ‘14)

Postings Per 10,000 Working-Age Residents: Last 12 months
Top Titles

- Chemist
- Clinical Research Associate
- Specimen Accessioner
- Laboratory Technician
- Medical Technologist
- Laboratory Assistant
- Clinical Research Coordinator
- Microbiologist
- Laboratory Technologist
- Regulatory Affairs Manager
- Medical Laboratory Technician
- Manufacturing Engineer
- Quality Assurance Technician
- Laboratory Supervisor
- Regulatory Affairs Specialist

Total Postings: Last 12 months (November 2013-November 2014)
BIOSCIENCE: BIOTECH

TOP SPECIALIZED SKILLS

Chemistry | Clinical Research | Laboratory Testing | Validation | Medical Technology | Laboratory Procedures | Clinical Trial | Regulatory Affairs | Biology | Laboratory Equipment | Experiments | Medical Device | Clinical Trials | Data Entry | Aseptic

Good Laboratory Practices (GLP) | Sample Preparation | Labeling | Immunology | Inspection | Regulatory Documents | Good Manufacturing Practices... | Product Development | Calibration | GCP | Training Programs | Collaboration | Medical Terminology | Surgery | High Performance Liquid...
BIOSCIENCE: BIOTECH

EDUCATION REQUIREMENTS

- High School: 20.8%
- Sub BA degree: 7.5%
- Bachelor's degree: 60.3%
- Graduate degree: 11.4%

TOP CERTIFICATIONS

- CERTIFIED MEDICAL LABORATORY TECHNICIAN
- CERTIFIED ACCOUNTS PAYABLE ASSOCIATE
- CERTIFIED QUALITY ENGINEER
- CERTIFIED MEDICAL TECHNOLOGIST
- CLINICAL LABORATORY SCIENTIST (CLS)
- CERTIFIED QUALITY AUDITOR
- BASIC CARDIAC LIFE SUPPORT CERTIFICATION
- AMERICAN SOCIETY FOR QUALITY (ASQ)...
- NICET SOILS
- AMERICAN HEART ASSOCIATION CERTIFICATE
- VETERINARY TECHNICIAN
- AMERICAN CONCRETE INSTITUTE (ACI)
- CERTIFIED CARDIOVASCULAR TECHNOLOGIST
- REGISTERED VASCULAR TECHNOLOGIST
- REGISTERED NURSE

Total Postings: Last 12 months
BIOSCIENCE: BIOTECH

Top Employers

- Novartis
- Laboratory Corporation of America
- Quintiles
- Sterling Life Sciences
- IDEXX Laboratories, Inc.
- Battelle Memorial Institute
- Qualtex Laboratories
- Solvay
- Baxter International Incorporated
- Dendreon Corporation
- Immucor Incorporated
- Ihrc, Inc
- Celgene Corporation
- Millennium Laboratories Incorporated
- Expression Analysis Incorporated

Total Postings: Last 12 months
BIOSCIENCE: BIOTECH BA+

Technology
a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience
a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics
a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare
a. Healthcare BA+
b. Healthcare BA-

Manufacturing
a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
BIOSCIENCE: BIOTECH BA+

Job postings in Biotech BA+ require a bachelors degree or more; they include occupations such as medical clinicians and technicians, biostatisticians, biochemists, microbiologists, regulatory officers, and quality control analysts & managers, with overlap into specific industries of medical equipment manufacturing and inspection/testing of medical equipment and samples.
Top 5 MSA Job Postings + Atlanta

- Boston-Cambridge-Quincy, MA-NH (Metropolitan NECTA) - 5,121
- New York-Northern New Jersey-Long Island, NY-NJ-PA (Metropolitan Statistical Area) - 4,784
- San Francisco-Oakland-Fremont, CA (Metropolitan Statistical Area) - 4,574
- Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area) - 2,635
- San Diego-Carlsbad-San Marcos, CA (Metropolitan Statistical Area) - 1,652
- Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area) - 448

Total Postings: 2013

Atlanta ranks 23rd in the nation.
BIOSCIENCE: BIOTECH BA+

Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 22nd among MSAs in biotech BA+ postings, up from 23rd in 2007

• From 2007 to 2013, postings in the Atlanta MSA market increased very slightly, from 408 in 2007 to 448 in 2013
  ➢ This 10% increase compares to a 19% increase for the nation on the whole in that period
  ➢ Atlanta’s national share of biotech BA+ postings declined from 1.2% in 2007 to 1.1% in 2013 (small national shares)
  ➢ The 10% is lower percentage growth than all but one (New York) of the top five MSAs in this type of posting

• From 2010 to 2013, biotech postings in Atlanta have increased 52% (BUT only 154 “new” postings)
  ➢ This is much higher than the percentage growth (10.7%) in the nation on the whole
  ➢ The 52.4% is a higher rate of increase than that seen in all of the top five MSAs in this type of posting
BIOSCIENCE: BIOTECH BA+

TOP LOCATIONS BY AD VOLUME

- New York-Northern New Jersey...
- Boston-Cambridge-Quincy, MA-NH...
- San Francisco-Oakland-Fremont, CA...
- Los Angeles-Long Beach-Santa Ana...
- Philadelphia-Camden-Wilmington...
- Chicago-Joliet-Naperville, IL-IN-WI...
- San Diego-Carlsbad-San Marcos, CA...
- Washington-Arlington-Alexandria...
- Dallas-Fort Worth-Arlington, TX...
- Minneapolis-St. Paul-Bloomington...
- Seattle-Tacoma-Bellevue, WA...
- Houston-Sugar Land-Baytown, TX...
- Trenton-Ewing, NJ (Metropolitan...
- Durham-Chapel Hill, NC...
- San Francisco-Oakland-Fremont,...
- Boston-Cambridge-Quincy, MA...
- San Diego-Carlsbad-San Marcos,...
- Philadelphia-Camden-Wilmington,...
- San Jose-Sunnyvale-Santa Clara,...
- New York-Northern New Jersey,...
- Washington-Arlington-...
- Seattle-Tacoma-Bellevue, WA...
- Minneapolis-St. Paul-...
- Chicago-Joliet-Naperville, IL-IN-...
- Los Angeles-Long Beach-Santa...
- Dallas-Fort Worth-Arlington, TX...
- Houston-Sugar Land-Baytown,...
- San Jose-Sunnyvale-Santa Clara,...
- Atlanta-Sandy Springs-Marietta,...

Total Postings: Last 12 months (Nov ’13-Nov ’14)

POSTINGS PER CAPITA

- Trenton-Ewing, NJ (Metropolitan...
- Durham-Chapel Hill, NC...
- San Francisco-Oakland-Fremont,...
- Boston-Cambridge-Quincy, MA...
- San Diego-Carlsbad-San Marcos,...
- Philadelphia-Camden-Wilmington,...
- San Jose-Sunnyvale-Santa Clara,...
- New York-Northern New Jersey,...
- Washington-Arlington-...
- Seattle-Tacoma-Bellevue, WA...
- Minneapolis-St. Paul-...
- Chicago-Joliet-Naperville, IL-IN-...
- Los Angeles-Long Beach-Santa...
- Dallas-Fort Worth-Arlington, TX...
- Houston-Sugar Land-Baytown,...
- San Jose-Sunnyvale-Santa Clara,...
- Atlanta-Sandy Springs-Marietta,...

Postings Per 10,000 Working-Age Residents: Last 12 months
Top Titles

- Clinical Research Associate
- Chemist
- Medical Technologist
- Clinical Research Coordinator
- Microbiologist
- Regulatory Affairs Manager
- Laboratory Technologist
- Manufacturing Engineer
- Laboratory Supervisor
- Regulatory Affairs Specialist
- Director Of Nursing
- Medical Science Liaison
- Clinical Research Assistant
- Clinical Laboratory Scientist Blood Bank Specialist
- Biostatistician

Total Postings: Last 12 months  (November 2013-November 2014)
TOP CERTIFICATIONS

- CERTIFIED ACCOUNTS PAYABLE ASSOCIATE
- CERTIFIED MEDICAL LABORATORY TECHNICIAN
- CERTIFIED MEDICAL TECHNOLOGIST
- CLINICAL LABORATORY SCIENTIST (CLS)
- CERTIFIED QUALITY ENGINEER
- AMERICAN SOCIETY FOR QUALITY (ASQ) CERTIFICATION
- CERTIFIED QUALITY AUDITOR
- REGISTERED NURSE
- CLINICAL NURSE SPECIALIST (CNS)
- CERTIFIED MEDICAL TECHNICIAN
- AMERICAN SOCIETY FOR CLINICAL PATHOLOGY (ASCP) CERTIFICATION
- BLOODBORNE PATHOGENS
- BASIC CARDIAC LIFE SUPPORT CERTIFICATION
- NURSE PRACTITIONER
- CERTIFIED PUBLIC ACCOUNTANT

Total Postings: Last 12 months
BIOSCIENCE: BIOTECH BA+

Top Employers

- Quintiles
- Novartis
- Sterling Life Sciences
- Qualtex Laboratories
- Battelle Memorial Institute
- Celgene Corporation
- IDEXX Laboratories, Inc.
- Ihrc, Inc
- Centers For Disease Control And Prevention
- Dendreon Corporation
- Covance Incorporated
- Genzyme
- Sanofi Aventis
- L3 Communications Holding Incorporated
- Genentech, Inc.

Total Postings: Last 12 months
BIOSCIENCE: BA-

Technology
a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience
a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics
a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare
a. Healthcare BA+
b. Healthcare BA-

Manufacturing
a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
BIOSCIENCE: BIOTECH BA-

Job postings in Biotech BA- do NOT require a bachelors’ degree; they include occupations such as medical clinicians and technicians and quality control analysts & managers, with overlap into the specific industry of inspection/ testing of medical equipment and samples.
Top 5 MSA Job Postings + Atlanta

- Boston-Cambridge-Quincy, MA-NH (Metropolitan NECTA)
  - Total Postings: 874
- New York-Northern New Jersey-Long Island, NY-NJ-PA (Metropolitan Statistical Area)
  - Total Postings: 794
- San Francisco-Oakland-Fremont, CA (Metropolitan Statistical Area)
  - Total Postings: 631
- Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area)
  - Total Postings: 613
- Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area)
  - Total Postings: 452
- Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area)
  - Total Postings: 234

Total Postings: 2013

Atlanta ranks 14th in the nation.
Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 14th among MSAs in biotech BA- postings, up from 22nd in 2007, but the grouping is a tiny one.

- From 2007 to 2013, postings in the Atlanta MSA market increased very slightly, from 176 in 2007 to 234 in 2013.
  - This 37.5% increase compares to a 58% increase for the nation on the whole in that period.
  - Atlanta’s national share of biotech BA- postings declined from 3.2% in 2007 to 2.7% in 2013.
  - The 37.5% growth is higher than all of the top five MSAs in this type of posting.

- From 2010 to 2013, biotech postings in Atlanta have dropped 3% (BUT only a net loss of 8 postings).
TOP LOCATIONS BY AD VOLUME

- New York-Northern New Jersey...
- Boston-Cambridge-Quincy, MA-NH...
- San Francisco-Oakland-Fremont, CA...
- Los Angeles-Long Beach-Santa Ana,...
- Chicago-Joliet-Naperville, IL-IN-WI...
- San Diego-Carlsbad-San Marcos, CA...
- Philadelphia-Camden-Wilmington,...
- Washington-Arlington-Alexandria,...
- Dallas-Fort Worth-Arlington, TX...
- Seattle-Tacoma-Bellevue, WA...
- Detroit-Warren-Livonia, MI...
- Minneapolis-St. Paul-Bloomington,...
- Houston-Sugar Land-Baytown, TX...
- Durham-Chapel Hill, NC...
- Albuquerque, NM (Metropolitan...)
- Atlanta-Sandy Springs-Marietta, GA...
- Total Postings: Last 12 months (Nov ’13 - Nov ’14)

POSTINGS PER CAPITA

- Durham-Chapel Hill, NC...
- Albuquerque, NM...
- San Francisco-Oakland-...
- San Diego-Carlsbad-San...
- Boston-Cambridge-Quincy,...
- Seattle-Tacoma-Bellevue, WA...
- Minneapolis-St. Paul-...
- Detroit-Warren-Livonia, MI...
- Philadelphia-Camden-....
- Washington-Arlington-....
- New York-Northern New...
- Los Angeles-Long Beach-....
- Chicago-Joliet-Naperville, IL-....
- Houston-Sugar Land-....
- Dallas-Fort Worth-Arlington,...
- Atlanta-Sandy Springs-....
- Postings Per 10,000 Working-Age Residents: Last 12 months
Top Titles

- Laboratory Technician
- Medical Technologist
- Laboratory Assistant
- Specimen Accessioner
- Medical Laboratory Technician
- Research Technician
- Production Technician
- Quality Assurance Technician
- Quality Control Technician
- Laboratory Technologist
- Chemist
- Formulations Technician
- Manufacturing Technician
- Facilities Technician
- Blood Bank Professionals

Total Postings: Last 12 months (November 2013-November 2014)
BIOSCIENCE: BIOTECH BA-

TOP SPECIALIZED SKILLS

- Chemistry
- Laboratory Testing
- Laboratory Equipment
- Data Entry
- Calibration
- Inspection
- Experiments
- Laboratory Procedures
- Biology
- Labeling
- Sample Preparation
- Equipment Maintenance
- Medical Technology
- Validation
- Good Manufacturing Practices (GMP)
- Hazardous Waste
- Good Laboratory Practices (GLP)
- Scheduling
- Packaging
- Record Keeping
- Personal Computers
- Repair
- Physical Demand
- Cleaning
- Analytical Chemistry
- Hematology
- High Performance Liquid...
BIOSCIENCE: BIOTECH BA-

TOP CERTIFICATIONS

- Certified Medical Laboratory Technician
- Basic Cardiac Life Support Certification
- American Heart Association Certificate
- NICET Soils
- Veterinary Technician
- Certified Quality Auditor
- American Concrete Institute (ACI)
- Certified Cardiovascular Technologist
- Certified Quality Engineer
- Registered Vascular Technologist
- American Society for Quality (ASQ)...
- Quality Management Certification (e.g. CMQ)
- Certified Quality Inspector
- Certified Accounts Payable Associate
- Registered Nurse

Total Postings: Last 12 months (November 2013-November 2014)
BIOSCIENCE: BIOTECH BA-

Top Employers

- Laboratory Corporation of America
- Novartis
- Solvay
- IDEXX Laboratories, Inc.
- Quintiles
- Baxter International Incorporated
- Food Safety Net Services
- Dendreon Corporation
- Immucor Incorporated
- Millennium Laboratories Incorporated
- Georgia National Guard
- Marston & Marston Incorporated
- Griffith Laboratories
- Cardno Usa
- Qualtex Laboratories

Total Postings: Last 12 months   (November 2013-November 2014)
SUPPLY CHAIN & LOGISTICS:
SUPPLY CHAIN MANAGEMENT & SOFTWARE

Technology

a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience

a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics

a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare

a. Healthcare BA+
b. Healthcare BA-

Manufacturing

a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
Supply Chain Management & Software

Supply Chain Management and software jobs cover IT jobs relating to supply chain management, logistics and procurement.
Top 5 MSA Job Postings + Atlanta

- Washington-Arlington-Alexandria, DC-VA-MD-WV (Metropolitan Statistical Area): 5,007
- Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area): 4,534
- Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area): 3,848
- Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area): 3,793

Total Postings: 2013

Atlanta ranks 4th in the nation.
SUPPLY CHAIN: MANAGEMENT AND SOFTWARE

Supply Chain Management: Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 4th among MSAs in supply chain software postings, up from 8th in 2007

- From 2007 to 2013, postings in the Atlanta MSA market increased from 2,057 in 2007 to 3,848 in 2013
  - This 166% increase compares to 147% growth in the nation on the whole
  - Atlanta’s national share of supply chain logistics jobs increased from 3.8% in 2007 to 4.2% in 2013
- From 2010 to 2013, supply chain logistics postings in Atlanta increased 44%
  - This is higher than the 26.4% percentage growth in the nation on the whole
  - The 44% is the highest growth rate amongst the top five MSAs in this type of posting from 2010 to 2013
Top Titles

- Java Software Developer
- Software Development Engineer
- Business Analyst
- Oracle Database Administrator
- Technology Consultant
- Software Engineer
- Business Systems Analyst
- Solutions Architect
- Programmer/Analyst
- Information Technology Project Manager
- Application Developer
- Network Engineer
- Database Administrator
- Systems Analyst
- Systems Engineer

Total Postings: Last 12 months
SUPPLY CHAIN: MANAGEMENT AND SOFTWARE

ORACLE* SPECIALIZED SKILLS

- Oracle
- SQL
- Order Management
- JAVA
- Oracle PL/SQL
- Procurement
- Business Process
- LINUX
- Extensible Markup Language (XML)
- SAP

* Specialized skills that “co-appear” in postings asking for Oracle-related skills

Total Postings: Last 12 months (November 2013-November 2014)
SQL* SPECIALIZED SKILLS

* Specialized skills that “co-appear” in postings asking for SQL-related skills

SQL
Oracle
JAVA
SQL Server
Extensible Markup Language (XML)
Oracle PL/SQL
JavaScript
LINUX
Order Management
UNIX

Total Postings: Last 12 months (November 2013-November 2014)
SUPPLY CHAIN: MANAGEMENT AND SOFTWARE

MINIMUM EDUCATION REQUIREMENTS

- High school: 5.07%
- Sub BA degree: 3.50%
- Bachelor's degree: 84.46%
- Graduate degree: 6.97%

TOP CERTIFICATIONS

- PROJECT MANAGEMENT CERTIFICATION (E.G. PMP)
- CISCO CERTIFIED NETWORK ASSOCIATE
- BUILDING PERFORMANCE INSTITUTE (BPI)
- CAPABILITY MODEL MATURITY INTEGRATION (CMMI) CERTIFICATION
- CISCO CERTIFIED NETWORK PROFESSIONAL (CCNP)
- SIX SIGMA CERTIFICATION
- IT INFRASTRUCTURE LIBRARY
- CISCO CERTIFIED INTERNETWORK EXPERT (CCIE)
- MICROSOFT CERTIFIED SYSTEMS ENGINEER (MCSE)
- CERTIFIED PUBLIC ACCOUNTANT
- CERTIFIED INFORMATION SYSTEMS SECURITY PROFESSIONAL (CISSP)
- CERTIFIED INFORMATION SYSTEMS AUDITOR (CISA)
- VMWARE CERTIFIED PROFESSIONAL
- CERTIFIED NOVELL ENGINEER
- CERTIFIED RELIABILITY ENGINEER

Total Postings: Last 12 months

- Total Postings: Last 12 months

- High school
- Sub BA degree
- Bachelor's degree
- Graduate degree
Top Employers

Deloitte Development LLC
Manhattan Associates
General Motors
Coca-Cola Enterprises Inc.
Accenture
Dell
Jsi
Agile
United Parcel Service Incorporated
Lockheed Martin Corporation
The Home Depot Incorporated
Ncr Corporation
AT&T
Ridgeway Science & Technology Research Corporation
Velossent

Total Postings: Last 12 months
SUPPLY CHAIN & LOGISTICS: DISTRIBUTION SERVICES

Technology
   a. Computer IT BA+
   b. Computer IT BA-
   c. Computer IT Overall
   d. Software Development
   e. Software Development BA-
   f. Wireless/Mobility
   g. Internet Security
   h. Digital Media and Gaming
   i. Financial Transactions Processing

Bioscience
   a. Health IT Software Development
   b. Biotech
   c. Biotech BA+
   d. Biotech BA-

Supply Chain & Logistics
   a. Supply Chain Management & Software
   b. Distribution Services

Hospitality

Healthcare
   a. Healthcare BA+
   b. Healthcare BA-

Manufacturing
   a. Manufacturing Overall
   b. Manufacturing BA+
   c. Manufacturing BA-
   d. Manufacturing Advanced
Supply Chain Distribution Services

Supply chain distribution services cover jobs requiring knowledge of transportation, storage, distribution, and other supply chain activities.
SUPPLY CHAIN: DISTRIBUTION SERVICES

Top 5 MSA Job Postings

Atlanta ranks 5th in the nation.

- Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area): 30,866
- Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area): 24,994
- Dallas-Fort Worth-Arlington, TX (Metropolitan Statistical Area): 20,833
- Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area): 18,171

Total Postings: 2013
Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 5th among MSAs in supply chain logistics postings, up from 15th in 2007

- From 2007 to 2013, postings in the Atlanta MSA market increased from 4,178 in 2007 to 18,171 in 2013
  - This 335% increase compares to 156% growth in the nation on the whole
  - Atlanta’s national share of supply chain logistics jobs increased from 1.2% in 2007 to 2.0% in 2013
  - This 335% is higher than all other of the top five MSAs in this type of posting
- From 2010 to 2013, supply chain distribution postings in Atlanta increased 163%
  - This is higher than the 82% percentage growth in the nation on the whole
  - The 163% trails only Chicago (193%) for the highest growth rate amongst the top five MSAs in this type of posting from 2010 to 2013
SUPPLY CHAIN: DISTRIBUTION SERVICES

TOP LOCATIONS BY AD VOLUME

<table>
<thead>
<tr>
<th>Location</th>
<th>Total Postings: Last 12 months</th>
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<tbody>
<tr>
<td>Chicago-Joliet-Naperville, IL-IN-WI...</td>
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<td>New York-Northern New Jersey-Long...</td>
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POSTINGS PER CAPITA

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<th>Location</th>
<th>Postings Per 10,000 Working-Age Residents: Last 12 months</th>
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<td>Kansas City, MO-KS (Metropolitan...)</td>
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<td>Phoenix-Mesa-Glendale, AZ...</td>
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<td>Detroit-Warren-Livonia, MI...</td>
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<tr>
<td>Atlanta-Sandy Springs-Marietta,...</td>
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<td>San Francisco-Oakland-Fremont,...</td>
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<td>Houston-Sugar Land-Baytown, TX...</td>
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<tr>
<td>Boston-Cambridge-Quincy, MA-NH...</td>
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<td>Philadelphia-Camden-Wilmington,...</td>
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<tr>
<td>Washington-Arlington-Alexandria,...</td>
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<td>Los Angeles-Long Beach-Santa Ana,...</td>
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<tr>
<td>New York-Northern New Jersey-Long...</td>
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</tbody>
</table>

Total Postings: Last 12 months

Postings Per 10,000 Working-Age Residents: Last 12 months

Legend:
- Total Postings: Last 12 months
- Postings Per 10,000 Working-Age Residents: Last 12 months
SUPPLY CHAIN: DISTRIBUTION SERVICES

Top Titles

Total Postings: Last 12 months
SUPPLY CHAIN: DISTRIBUTION SERVICES

TOP SPECIALIZED SKILLS

Forklift Operation
Inspection
Cleaning
Mathematics
Repair
Screening
Product Sale and Delivery
Machinery
Physical Demand
Inventory Management
Description and Demonstration of...
Workstations
Cash Management
Calculator
Sorting

Data Entry
Handtrucks
Merchandising
Scheduling
Packaging
Sales
Exchanging Merchandise
Hand Tools
Labeling
Scanners
Warehouse Management
Personal Computers
Materials Moving
Supply Chain Management
Record Keeping

Total Postings: Last 12 months
SUPPLY CHAIN: DISTRIBUTION SERVICES

MINIMUM EDUCATIONAL REQUIREMENTS

- High school: 87.51%
- Sub-BA: 2.89%
- Bachelor's degree: 7.05%
- Graduate degree: 2.55%

TOP CERTIFICATIONS

- CDL CLASS A
- COMMERCIAL DRIVER'S LICENSE
- FORKLIFT OPERATOR CERTIFICATION
- CDL CLASS B
- HAZARDOUS MATERIALS CERTIFICATION
- AIR BRAKE CERTIFIED
- MICROSOFT CERTIFIED PROFESSIONAL (MCP)
- FIRST AID CPR AED
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION CERTIFICATION
- CERTIFIED RELIABILITY ENGINEER
- AIRLINE TRANSPORT PILOT LICENSE
- ENVIRONMENTAL PROTECTION AGENCY CERTIFICATION
- PILOT CERTIFICATION
- DEPARTMENT OF TRANSPORTATION (DOT) MEDICAL CERTIFICATION
- PROJECT MANAGEMENT CERTIFICATION (E.G. PMP)

Total Postings: Last 12 months
SUPPLY CHAIN: DISTRIBUTION SERVICES

Top Employers

- Pizza Hut
- Roehl Transport
- The Home Depot Incorporated
- Enterprise Rent-a-Car
- Papa John's
- United Parcel Service Incorporated
- Rent-A-Center
- CRST International
- Usa Truck
- Transport Corporation Of America Incorporated
- Swift Transportation
- Qualcomm
- Hd Supply
- Aaron's
- Averitt Express

Total Postings: Last 12 months
HOSPITALITY

Technology

a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience

a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics

a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare

a. Healthcare BA+
b. Healthcare BA-

Manufacturing

a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
The Hospitality sector comprises jobs requiring skills needed in the accommodation and food services industry.
Top 5 MSA Job Postings + Atlanta

Atlanta ranks 9th in the nation.

Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area) - 45,329
Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area) - 39,783
Washington-Arlington-Alexandria, DC-VA-MD-WV (Metropolitan Statistical Area) - 26,863
Boston-Cambridge-Quincy, MA-NH (Metropolitan NECTA) - 26,792
Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area) - 22,593

Total Postings: 2013
Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 9th among MSAs in hospitality jobs, up from 15th in 2007

- From 2007 to 2013, postings in the Atlanta MSA market increased from 5,097 in 2007 to 22,593 in 2013
  - This 343% increase compares to 186% growth in the nation on the whole
  - Atlanta’s national share of hospitality jobs increased from 1.3% in 2007 to 2.0% in 2013
  - This 343% increase is higher than all other of the top five MSAs in this type of posting
- From 2010 to 2013, hospitality postings in Atlanta increased 242%
  - This is far higher than the 115% percentage growth in the nation on the whole ’10-‘13
  - This rate trails only Chicago (260%) in growth rates amongst the top five MSAs in this type of posting from 2010 to 2013
HOSPITALITY

Top Titles

- Cook
- Assistant Manager
- Delivery Driver
- Restaurant General Manager
- Assistant Restaurant Manager
- Restaurant Manager
- Line Cook
- Bartender
- Crew Member
- Host/Hostess
- Cashier
- General Manager
- Shift Leader
- Shift Manager
- Team Member

Total Postings: Last 12 months
HOSPITALITY

TOP SKILL CLUSTERS

- Common Skills: Communication and Coordination
- Common Skills: Business Environment Skills
- Common Skills: Problem Solving
- Software and Programming Skills
- Customer Service: Basic Assistance
- Sales: General
- Food Service: General
- Common Skills: Project and Process Flow Skills
- Admin Support: General
- Customer Service: Sales
- Finance: Accounting, Bookkeeping, and Tax Preparation
- Finance: Basic Financial Transactions
- Common Skills: Language
- Food Service: Food Safety
- Repair: General

TOP BASELINE SKILLS

- Communication Skills
- Leadership
- Writing
- Organizational Skills
- Customer Service
- Building Effective Relationships with Customers / Co-Workers
- Management
- English
- Problem Solving
- Computer Skills
- Detail-Oriented
- Supervisory Skills
- Microsoft Excel
- Planning
- Preventive Maintenance

Total Postings: Last 12 months
HOSPITALITY

MINIMUM EDUCATION REQUIREMENTS

- High school: 66.05%
- Sub-BA: 6.58%
- Bachelor's degree: 24.61%
- Graduate degree: 2.75%

TOP CERTIFICATIONS

1. SERVSAFE
2. CERTIFIED RELIABILITY ENGINEER
3. ALCOHOL AWARENESS CERTIFICATION
4. FIRST AID CPR AED
5. TRAINING FOR INTERVENTION PROCEDURES (TIPS) CERTIFICATION
6. FOOD SERVICE CERTIFICATION (E.G. FMP)
7. REGISTERED DIETITIAN
8. CERTIFIED PUBLIC ACCOUNTANT
9. ALCOHOL SERVER CERTIFICATION
10. ALCOHOL SELLER CERTIFICATION
11. CERTIFIED DIETARY MANAGER
12. COMMERCIAL DRIVER’S LICENSE
13. ENVIRONMENTAL PROTECTION AGENCY CERTIFICATION
14. HVAC TECHNICIAN CERTIFICATION (E.G. EPA 608)
15. FOOD SERVICE SANITATION CERTIFICATION

Total Postings: Last 12 months
Top Employers

- Pizza Hut
- Marriott International Incorporated
- Papa John's
- Cracker Barrel
- Intercontinental Hotels Group
- Taco Bell
- Hilton Hotel Corporation
- McDonald's
- Interstate Hotels & Resorts
- Chick-fil-A
- Hyatt
- Buffalo Wild Wings
- Panera Bread
- Chipotle Mexican Grill
- Compass Group

Total Postings: Last 12 months
HEALTHCARE BA+

Technology
a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience
a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics
a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare
a. Healthcare BA+
b. Healthcare BA-

Manufacturing
a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
This targeted industry is defined as the postings in the *O-Net occupation category of “health care practitioners and technicians”. As noted in slides that follow, these healthcare occupations typically require a bachelors degree or more as an educational requirement.
Top 5 MSA Job Postings + Atlanta

- Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area): 55,962
- Dallas-Fort Worth-Arlington, TX (Metropolitan Statistical Area): 53,459
- Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area): 48,384
- Boston-Cambridge-Quincy, MA-NH (Metropolitan NECTA): 42,421
- Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area): 32,768

Total Postings: Last 12 months

Atlanta ranks 11th in the nation.
HEALTHCARE BA+

Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 11th among MSAs in healthcare jobs requiring a bachelor’s degree or more, up from 15th in 2007

- From 2007 to 2013, postings in the Atlanta MSA market increased from 16,225 in 2007 to 32,768 in 2013
  - This 102% increase compares to 27% growth in the nation on the whole
  - Atlanta’s national share of supply chain logistics jobs increased from 1.1% in 2007 to 1.8% in 2013
  - This 102% increase is higher than all other of the top five MSAs in this type of posting
- From 2010 to 2013, healthcare BA+ postings in Atlanta increased 54%
  - This is higher than the 21% percentage growth in the nation on the whole
  - The 54% trails only Chicago (58%) for the highest growth rate amongst the top five MSAs in this type of posting from 2010 to 2013
HEALTHCARE BA+

TOP LOCATION BY AD VOLUME

- New York-Northern New Jersey...
- Chicago-Joliet-Naperville, IL-IN-WI...
- Los Angeles-Long Beach-Santa Ana...
- Dallas-Fort Worth-Arlington, TX...
- Houston-Sugar Land-Baytown, TX...
- Boston-Cambridge-Quincy, MA-NH...
- Philadelphia-Camden-Wilmington, ...
- Phoenix-Mesa- Glendale, AZ...
- Seattle-Tacoma-Bellevue, WA...
- Washington-Arlington-Alexandria, ...
- San Francisco-Oakland-Fremont, CA...
- Miami-Fort Lauderdale-Pompano...
- Denver-Aurora-Broomfield, CO...
- Atlanta-Sandy Springs-Marietta, GA...
- Detroit-Warren-Livonia, MI...

Total Postings: Last 12 months

POSTINGS PER CAPITA

- Denver-Aurora-Broomfield, CO...
- Seattle-Tacoma-Bellevue, WA...
- Phoenix-Mesa- Glendale, AZ...
- Dallas-Fort Worth-Arlington,...
- San Francisco-Oakland-...
- Houston-Sugar Land-Baytown,...
- Detroit-Warren-Livonia, MI...
- Boston-Cambridge-Quincy,...
- Chicago-Joliet-Naperville, IL-...
- Philadelphia-Camden-...
- Miami-Fort Lauderdale-...
- Atlanta-Sandy Springs-...
- Washington-Arlington-...
- Los Angeles-Long Beach-Santa...
- New York-Northern New...

Postings Per 10,000 Working-Age Residents: Last 12 months
HEALTHCARE BA+

Top Titles

- Registered Nurse
- Speech Language Pathologist
- Physical Therapist
- Occupational Therapist
- Licensed Practical Nurse (LPN)
- Nurse Practitioner
- Physician's Assistant
- Physician
- Pharmacist
- Intensive Care Unit (ICU) Registered Nurse
- Pharmacy Technician
- Staff Nurse
- Home Care Registered Nurse
- Nurse
- Labor And Delivery Registered Nurse

Total Postings: Last 12 months
HEALTHCARE BA+

TOP SKILL CLUSTERS

Health: Basic Patient Care
Common Skills: Communication and Coordination
Common Skills: Business Environment Skills
Health: Medical Specialties
Health: Advanced Patient Care
Common Skills: Problem Solving
Health: Therapy
Software and Programming Skills
Common Skills: Project and Process Flow Skills
Common Skills: Language
Health: Informatics
Admin Support: General
Health: Admin
Customer Service: Basic Assistance
Health: Management

Total Postings: Last 12 months

TOP BASELINE SKILLS

Communication Skills
Computer Skills
Organizational Skills
English
Leadership
Planning
Quality Assurance and Control
Teaching
Writing
Customer Service
Multi-Tasking
Time Management
Research
Management
Problem Solving

Total Postings: Last 12 months
HEALTHCARE BA+

MINIMUM EDUCATION REQUIREMENTS

- High school: 14.88%
- Sub BA: 38.35%
- Bachelor's degree: 30.89%
- Graduate degree: 15.88%

TOP CERTIFICATIONS

- Registered Nurse
- Nurse Practitioner
- First Aid CPR AED
- Basic Cardiac Life Support Certification
- American Heart Association Certificate
- Advanced Cardiac Life Support (ACLS) Certification
- Advanced Practice Nurse
- Neonatal Resuscitation
- Certified Emergency Nurse
- Critical Care Registered Nurse (CCRN)
- Pharmacist
- Clinical Nurse Specialist (CNS)
- Registered Health Information Administrator
- Caregiver
- Registered Health Information Technician

Total Postings: Last 12 months
Top Employers

- Wellstar Health System
- Northside Hospital
- Kaiser Permanente
- Grady Health System
- Hospital Corporation of America
- Piedmont Healthcare
- Dekalb Medical Group
- Gwinnett Hospital System Incorporated
- Department of Veterans Affairs
- Amedisys
- State Of Georgia's
- Genesis Healthcare Corporation
- Emory Healthcare
- Psa Healthcare
- Tristar Health

Total Postings: Last 12 months
Salaries

Total Postings: Last 12 months (December 2013-December 2014)
HEALTHCARE BA-

Technology

a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience

a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics

a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare

a. Healthcare BA+
b. Healthcare BA-

Manufacturing

a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
This targeted industry is defined as the postings in the *O-Net occupation category of “health care support”. As noted in slides that follow, these healthcare occupations, overwhelmingly, do not require a bachelors degree as an educational requirement.
Top 5 MSA Job Postings + Atlanta

- New York-Northern New Jersey-Long Island, NY-NJ-PA (Metropolitan Statistical Area) - 14,746
- Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area) - 12,495
- Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area) - 11,751
- Philadelphia-Camden-Wilmington, PA-NJ-DE-MD (Metropolitan Statistical Area) - 8,822
- Seattle-Tacoma-Bellevue, WA (Metropolitan Statistical Area) - 8,512
- Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area) - 5,256

Atlanta ranks 15th in the nation.

Total Postings: 2013
Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 15th among MSAs in healthcare jobs NOT requiring a bachelor’s degree or less, up from 25th in 2007

• From 2007 to 2013, postings in the Atlanta MSA market increased from 2,015 in 2007 to 5,256 in 2013
  ➢ This 161% increase compares to 65% growth in the nation on the whole
  ➢ Atlanta’s national share of supply chain logistics jobs increased from 0.8% in 2007 to 1.3% in 2013
  ➢ This 161% increase is higher than all other of the top five MSAs in this type of posting

• From 2010 to 2013, healthcare BA- postings in Atlanta increased 29%
  ➢ While higher than the 27% percentage growth in the nation on the whole, this rate is behind Chicago, Seattle, and LA in growth rates amongst the top five MSAs in this type of posting from 2010 to 2013
## Healthcare BA -

### Top Location by Ad Volume

<table>
<thead>
<tr>
<th>Location</th>
<th>Total Postings: Last 12 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>New York-Northern New Jersey-Long...</td>
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</tr>
<tr>
<td>Chicago-Joliet-Naperville, IL-IN-WI...</td>
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<tr>
<td>Los Angeles-Long Beach-Santa Ana, CA...</td>
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<td>Philadelphia-Camden-Wilmington, PA-...</td>
<td>5,000</td>
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<tr>
<td>Dallas-Fort Worth-Arlington, TX...</td>
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<tr>
<td>Seattle-Tacoma-Bellevue, WA...</td>
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<tr>
<td>Houston-Sugar Land-Baytown, TX...</td>
<td>-</td>
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<tr>
<td>Boston-Cambridge-Quincy, MA-NH...</td>
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<tr>
<td>Washington-Arlington-Alexandria, DC-...</td>
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<tr>
<td>Detroit-Warren-Livonia, MI...</td>
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<tr>
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<td>Miami-Fort Lauderdale-Pompano...</td>
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<tr>
<td>Atlanta-Sandy Springs-Marietta, GA...</td>
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</table>

### Postings Per Capita

<table>
<thead>
<tr>
<th>Location</th>
<th>Postings Per 10,000 Working-Age Residents: Last 12 months</th>
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</thead>
<tbody>
<tr>
<td>Seattle-Tacoma-Bellevue, WA...</td>
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<tr>
<td>Denver-Aurora-Broomfield, CO...</td>
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<td>Tampa-St. Petersburg-Clearwater,...</td>
<td>30</td>
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<tr>
<td>Detroit-Warren-Livonia, MI...</td>
<td>25</td>
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<td>Phoenix-Mesa-Glendale, AZ...</td>
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<tr>
<td>Philadelphia-Camden-Wilmington,...</td>
<td>20</td>
</tr>
<tr>
<td>Chicago-Joliet-Naperville, IL-IN-WI...</td>
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<tr>
<td>Boston-Cambridge-Quincy, MA-NH...</td>
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<tr>
<td>Houston-Sugar Land-Baytown,...</td>
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<tr>
<td>Atlanta-Sandy Springs-Marietta,...</td>
<td>20</td>
</tr>
<tr>
<td>New York-Northern New Jersey-Long...</td>
<td>20</td>
</tr>
</tbody>
</table>
Top Titles

- Certified Nursing Assistant
- Medical Assistant
- Phlebotomist
- Physical Therapist Assistant
- Patient Care Technician
- Dental Assistant
- Certified Medical Assistant
- Certified Nurse Assistant
- Occupational Therapist Assistant
- Massage Therapist
- Pct
- Certified Occupational Therapy Assistant
- Veterinary Assistant
- Clinical Care Partner
- Patient Care Assistant

Total Postings: Last 12 months
HEALTHCARE BA-

**TOP SKILL CLUSTERS**

- Health: Basic Patient Care
- Common Skills: Communication and...
- Common Skills: Business Environment...
- Health: Medical Specialties
- Health: Therapy
- Customer Service: Basic Assistance:
- Health: Advanced Patient Care
- Common Skills: Language
- Software and Programming Skills
- Admin Support: General
- Common Skills: Project and Process...  
- Customer Service: Basic Assistance
- Common Skills: Problem Solving
- Health: Informatics
- Health: Admin

**TOP BASELINE SKILLS**

- Communication Skills
- Computer Skills
- Organizational Skills
- English
- Customer Service
- Writing
- Multi-Tasking
- Quality Assurance and Control
- Time Management
- Building Effective Relationships...
- Clerical Duties
- Typing
- File Management
- Lotus Notes
- Problem Solving

Total Postings: Last 12 months
Salaries

Total Postings: Last 12 months (November 2013-November 2014)
MANUFACTURING: OVERALL

Technology
a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience
a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics
a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare
a. Healthcare BA+
b. Healthcare BA-

Manufacturing
a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
Manufacturing: Overall is defined as all postings for jobs in firms within the manufacturing industry whether or not the specific occupation and/or skill is related to manufacturing activity.
Top 5 MSA Job Postings + Atlanta

2. Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area) - 54,843
3. Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area) - 46,535
4. Boston-Cambridge-Quincy, MA-NH (Metropolitan NECTA) - 38,350
5. Dallas-Fort Worth-Arlington, TX (Metropolitan Statistical Area) - 35,583

Atlanta ranks 14th in the nation.

Total Postings: 2013
MANUFACTURING: OVERALL

Atlanta Compared to the Nation and Top 5 MSAs

In 2013 and 2007, Atlanta ranked 14th among MSAs in manufacturing jobs.

From 2007 to 2013, postings in the Atlanta MSA market increased from 14,586 in 2007 to 21,426 in 2013

- This does include a decline of about 4,000 postings between 2011 and 2013...all the increase was in the data between 2010 and 2011
- This 47% increase compares to 19% growth in the nation on the whole
- Atlanta’s national share of manufacturing jobs increased slightly from 1.4% in 2007 to 1.7% in 2013
- This 47% increase is higher than four of the top five MSAs in this type of posting for the period, trailing Dallas-Fort Worth’s 48%

From 2010 to 2013, manufacturing postings in Atlanta increased 42%

- This is higher than the 30% percentage growth in the nation on the whole ’10-’13 (again, a strong increase 2010-2011 leveled off 2012-2013)
- This 42% rate again trails only Dallas (49%) in growth rates amongst the top five MSAs in this type of posting from 2010 to 2013
MANUFACTURING: OVERALL

TOP LOCATIONS BY AD VOLUME

POSTINGS PER CAPITA

New York-Northern New Jersey-Long Island,...
Los Angeles-Long Beach-Santa Ana, CA...
Chicago-Joliet-Naperville, IL-IN-WI...
Detroit-Warren-Livonia, MI (Metropolitan...
Boston-Cambridge-Quincy, MA-NH...
Washington-Arlington-Alexandria, DC-VA-...
Dallas-Fort Worth-Arlington, TX...
Houston-Sugar Land-Baytown, TX...
Philadelphia-Camden-Wilmington, PA-NJ-...
San Francisco-Oakland-Fremont, CA...
Seattle-Tacoma-Bellevue, WA (Metropolitan...
San Jose-Sunnyvale-Santa Clara,...

Total Postings: Last 12 months

San Jose-Sunnyvale-Santa Clara,...
Detroit-Warren-Livonia, MI...
Boston-Cambridge-Quincy, MA-...
Seattle-Tacoma-Bellevue, WA...
San Diego-Carlsbad-San Marcos,...
Minneapolis-St. Paul-...
Washington-Arlington-...
Chicago-Joliet-Naperville, IL-IN-...
San Francisco-Oakland-Fremont,...
Dallas-Fort Worth-Arlington, TX...
Houston-Sugar Land-Baytown,...
Philadelphia-Camden-...
San Jose-Sunnyvale-Santa Clara,...
Atlanta-Sandy Springs-Marietta, GA-...
San Diego-Carlsbad-San Marcos,...

Postings Per 10,000 Working-Age Residents: Last 12 months
MANUFACTURING: OVERALL

Top Titles

- Manufacturing Engineer: 300 postings
- Merchandiser: 250 postings
- Maintenance Technician: 225 postings
- Account Manager: 200 postings
- Sales Representative: 175 postings
- Financial Analyst: 150 postings
- Business Analyst: 125 postings
- Process Engineer: 100 postings
- Manufacturing Manager: 85 postings
- Software Engineer: 75 postings
- Production Supervisor: 60 postings
- Accountant: 50 postings
- Customer Service Representative: 45 postings
- Sales Manager: 40 postings
- Quality Engineer: 35 postings

Total Postings: Last 12 months
MANUFACTURING: OVERALL

TOP SKILL CLUSTERS

- Communication Skills
- Business Environment Skills
- Software and Programming Skills
- Problem Solving
- Project and Process Flow Skills
- Supply Chain and Logistics: General
- IT: Business Intelligence
- Finance: Accounting, Bookkeeping, and Tax Preparation
- Process and Planning
- Sales: General
- Customer Service: Basic Assistance
- Databases and Data Warehousing
- Programming, Development, and Engineering
- Repair: General

TOP BASELINE SKILLS

- Communication Skills
- Organizational Skills
- Leadership
- Microsoft Excel
- Writing
- Problem Solving
- Planning
- Microsoft Office
- Project Management
- Management
- Customer Service
- Powerpoint
- Research
- Troubleshooting
- Detail-Oriented

Total Postings: Last 12 months
MANUFACTURING: OVERALL

MINIMUM EDUCATIONAL REQUIREMENT

- High school: 28.70%
- Sub BA: 4.83%
- Bachelor's degree: 62.81%
- Graduate degree: 3.66%

TOP CERTIFICATIONS

1. CERTIFIED PUBLIC ACCOUNTANT
2. PROJECT MANAGEMENT CERTIFICATION (E.G. PMP)
3. SIX SIGMA CERTIFICATION
4. FORKLIFT OPERATOR CERTIFICATION
5. SIX SIGMA BLACK BELT
6. SIX SIGMA GREEN BELT
7. CISCO CERTIFIED NETWORK ASSOCIATE
8. COMMERCIAL DRIVER'S LICENSE
9. CERTIFIED QUALITY ENGINEER
10. CERTIFIED SERVICE MANAGER (CSM)
11. CERTIFIED INFORMATION SYSTEMS AUDITOR (CISA)
12. CERTIFIED INFORMATION SYSTEMS SECURITY PROFESSIONAL (CISSP)
13. CERTIFIED ACCOUNTS PAYABLE ASSOCIATE
14. PROFESSIONAL IN HUMAN RESOURCES
15. MICROSOFT CERTIFIED SYSTEMS ENGINEER (MCSE)

Total Postings: Last 12 months
MANUFACTURING: OVERALL

Top Employers

- Coca-Cola Enterprises Inc.
- Lockheed Martin Corporation
- Koch Industries, Incorporated
- General Electric Company
- Ricoh Electronics
- Siemens
- Hewlett-Packard
- Eaton
- United Technologies Corporation
- Technical Usa
- Northrop Grumman
- Agile
- Novartis
- Nestle USA Incorporated
- Agco Corporation

Total Postings: Last 12 months
MANUFACTURING: BA+

Technology
- Computer IT BA+
- Computer IT BA-
- Computer IT Overall
- Software Development
- Software Development BA-
- Wireless/Mobility
- Internet Security
- Digital Media and Gaming
- Financial Transactions Processing

Bioscience
- Health IT Software Development
- Biotech
- Biotech BA+
- Biotech BA-

Supply Chain & Logistics
- Supply Chain Management & Software
- Distribution Services

Hospitality

Healthcare
- Healthcare BA+
- Healthcare BA-

Manufacturing
- Manufacturing Overall
- Manufacturing BA+
- Manufacturing BA-
- Manufacturing Advanced
Top 5 MSA postings + Atlanta

- New York-Northern New Jersey-Long Island, NY-NJ-PA (Metropolitan Statistical Area) - 36,166
- Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area) - 27,785
- Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area) - 27,747
- Washington-Arlington-Alexandria, DC-VA-MD-WV (Metropolitan Statistical Area) - 26,896
- Boston-Cambridge-Quincy, MA-NH (Metropolitan NECTA) - 24,528
- Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area) - 13,221

Atlanta ranks 12th in the nation.

Total Postings: 2013
MANUFACTURING: BA +

Atlanta Compared to Top 5 MSAs

In 2013, Atlanta ranked 12th among MSAs in manufacturing postings requiring a bachelors or more, up from 13th in 2007.

- From 2007 to 2013, postings in the Atlanta MSA market rose from 5,995 in 2007 to 13,221 in 2013, for a 121% increase
- From 2010-2013, manufacturing BA + postings in Atlanta increased 58%
- SAP, Accounting, Business Process, and Process Improvement are among the important specialized skills. CPA, PMP and Six Sigma (Black and Green Belt) are key certifications. Engineer (Manufacturing), Account Manager, as well as Analyst (Financial and Business) are among the top titles in this grouping.
- Coca-Cola, Koch, GE, and Siemens are top recently posting employers (last 12 months).
MANUFACTURING: BA+

TOP LOCATIONS BY AD VOLUME

New York-Northern New Jersey,...
Los Angeles-Long Beach-Santa Ana,...
Chicago-Joliet-Naperville, IL-IN-WI,...
Detroit-Warren-Livonia, MI,...
Washington-Arlington-Alexandria,...
Boston-Cambridge-Quincy, MA-NH,...
Dallas-Fort Worth-Arlington, TX,...
Houston-Sugar Land-Baytown, TX,...
Philadelphia-Camden-Wilmington,...
San Jose-Sunnyvale-Santa Clara, CA,...
San Francisco-Oakland-Fremont, CA,...
Seattle-Tacoma-Bellevue, WA,...
Atlanta-Sandy Springs-Marietta, GA,...
Minneapolis-St. Paul-Bloomington,...
San Diego-Carlsbad-San Marcos, CA,...

Total Postings: Last 12 months

POSTINGS PER CAPITA

San Jose-Sunnyvale-Santa Clara,...
Detroit-Warren-Livonia, MI,...
Boston-Cambridge-Quincy, MA-NH,...
Washington-Arlington-Alexandria,...
San Diego-Carlsbad-San Marcos,...
San Francisco-Oakland-Fremont,...
Seattle-Tacoma-Bellevue, WA,...
Chicago-Joliet-Naperville, IL-IN-WI,...
Philadelphia-Camden-Wilmington,...
Houston-Sugar Land-Baytown, TX,...
Minneapolis-St. Paul,...
Dallas-Fort Worth-Arlington, TX,...
Los Angeles-Long Beach-Santa,...
Atlanta-Sandy Springs-Marietta,...
New York-Northern New Jersey,...

Postings Per 10,000 Working-Age Residents: Last 12 months
MANUFACTURING: BA+

Top Titles

- Manufacturing Engineer
- Account Manager
- Financial Analyst
- Business Analyst
- Process Engineer
- Sales Representative
- Accountant
- Quality Engineer
- Manufacturing Manager
- Software Engineer
- Marketing Manager
- Sales Manager
- Electrical Engineer
- Production Supervisor
- Solutions Architect

Total Postings: Last 12 months
MANUFACTURING: BA+

TOP SPECIALIZED SKILLS

- SAP
- Accounting
- Sales
- Business Process
- Process Improvement
- Procurement
- Collaboration
- Business Planning
- Scheduling
- Product Development
- Enterprise Resource Planning (ERP)
- Purchasing
- Forecasting
- Six Sigma
- Decision Making
- Business Development
- Financial Analysis
- Validation
- Manufacturing Processes
- Packaging
- Supply Chain Management
- SQL
- Sales Management
- Oracle
- Logistics
- Electrical Engineering
- Optimization
- Repair
- Business Administration
- Contract Management

Total Postings: Last 12 months

Total Postings: Last 12 months
MANUFACTURING: BA+

**TOP SKILL CLUSTERS**

- Common Skills: Communication...
- Common Skills: Business...
- Software and Programming Skills
- Common Skills: Problem Solving
- Common Skills: Project and Process...
- Business: Process and Planning
- IT: Business Intelligence
- Supply Chain and Logistics: General
- Finance: Accounting, Bookkeeping,...
- Sales: General
- Customer Service: Basic Assistance
- Marketing: General
- IT: Databases and Data Warehousing
- IT: Programming, Development,...
- Finance: Financial Analysis

**TOP BASELINE SKILLS**

- Communication Skills
- Organizational Skills
- Leadership
- Microsoft Excel
- Writing
- Project Management
- Planning
- Problem Solving
- Management
- Microsoft Office
- Microsoft Powerpoint
- Research
- Building Effective Relationships...
- Customer Service
- Quality Assurance and Control

*Total Postings: Last 12 months*
MANUFACTURING: BA+

Top Certifications

- CERTIFIED PUBLIC ACCOUNTANT
- PROJECT MANAGEMENT CERTIFICATION (E.G. PMP)
- SIX SIGMA CERTIFICATION
- SIX SIGMA BLACK BELT
- SIX SIGMA GREEN BELT
- CISCO CERTIFIED NETWORK ASSOCIATE
- CERTIFIED QUALITY ENGINEER
- CERTIFIED SERVICE MANAGER (CSM)
- CERTIFIED ACCOUNTS PAYABLE ASSOCIATE
- CERTIFIED INFORMATION SYSTEMS AUDITOR (CISA)
- PROFESSIONAL IN HUMAN RESOURCES
- MICROSOFT CERTIFIED SYSTEMS ENGINEER (MCSE)
- CERTIFIED IN PRODUCTION AND INVENTORY MANAGEMENT
- CERTIFIED INFORMATION SYSTEMS SECURITY PROFESSIONAL...
- SENIOR PROFESSIONAL IN HUMAN RESOURCES

Total Postings: Last 12 months
Top Employers

Coca-Cola Enterprises Inc.
Koch Industries, Incorporated
General Electric Company
Siemens
Eaton
Lockheed Martin Corporation
Hewlett-Packard
Northrop Grumman
United Technologies Corporation
Agile
Ricoh Electronics
Novartis
Technical Usa
Agco Corporation
Kimberly-Clark

Total Postings: Last 12 months
MANUFACTURING: BA-

Technology
a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience
a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics
a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare
a. Healthcare BA+
b. Healthcare BA-

Manufacturing
a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
Top 5 MSA postings + Atlanta

Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area) - 11,293

Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area) - 9,513

New York-Northern New Jersey-Long Island, NY-NJ-PA (Metropolitan Statistical Area) - 9,005

Detroit-Warren-Livonia, MI (Metropolitan Statistical Area) - 7,811

Houston-Sugar Land-Baytown, TX (Metropolitan Statistical Area) - 7,552

Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area) - 4,533

Total Postings: 2013

Atlanta ranks 12th in the nation.
Atlanta Compared to Top 5 MSAs

In 2013 and 2007, Atlanta ranked 12th among MSAs in manufacturing postings not requiring a bachelors degree.

- From 2007 to 2013, postings in the Atlanta MSA market rose from 2,150 in 2007 to 4,533 in 2013, for a 111% increase
- From 2010-2013, manufacturing BA - postings in Atlanta increased 52%
- Repair, Inspection, and Forklift Operation are most desired specialized skills. Forklift Operator, CDL, and Microsoft Certified Engineer are key certifications. Merchandiser, Maintenance Tech, and Warehouse Worker are top titles in this grouping.
- Coca-Cola, GE, Ricoh, and Aaron’s are top recently posting employers (last 12 months).
MANUFACTURING: BA-

TOP LOCATIONS BY AD VOLUME

- Chicago-Joliet-Naperville, IL-IN-WI-
- Los Angeles-Long Beach-Santa Ana, CA-
- New York-Northern New Jersey-Long Island,-
- Detroit-Warren-Livonia, MI (Metropolitan-
- Houston-Sugar Land-Baytown, TX-
- Dallas-Fort Worth-Arlington, TX-
- Minneapolis-St. Paul-Bloomington, MN-WI-
- Seattle-Tacoma-Bellevue, WA (Metropolitan-
- Washington-Arlington-Alexandria, DC-VA-
- Philadelphia-Camden-Wilmington, PA-NJ-
- Atlanta-Sandy Springs-Marietta, GA-
- Phoenix-Mesa-Glendale, AZ (Metropolitan-
- San Francisco-Oakland-Fremont, CA-
- Cincinnati-Middletown, OH-KY-IN-

Total Postings: Last 12 months

POSTINGS PER CAPITA

- Detroit-Warren-Livonia, MI-
- Minneapolis-St. Paul-
- Cincinnati-Middletown, OH-KY-IN-
- Seattle-Tacoma-Bellevue, WA-
- Houston-Sugar Land-Baytown, TX-
- Chicago-Joliet-Naperville, IL-IN-
- Dallas-Fort Worth-Arlington, TX-
- Phoenix-Mesa-Glendale, AZ-
- Boston-Cambridge-Quincy, MA-
- Los Angeles-Long Beach-Santa-
- San Francisco-Oakland-Fremont,-
- Philadelphia-Camden-
- Atlanta-Sandy Springs-Marietta,-
- Washington-Arlington-
- New York-Northern New Jersey-

Postings Per 10,000 Working-Age Residents: Last 12 months
MANUFACTURING: BA-

Top Titles

- Merchandiser
- Maintenance Technician
- Warehouse Worker
- Customer Service Representative
- Maintenance Mechanic
- Machine Operator
- Account Manager
- Delivery Driver
- Administrative Assistant
- Production Supervisor
- Technical Support Specialist
- Sales Associate
- Order Builder Loader
- Forklift Operator
- Assistant Manager

Total Postings: Last 12 months
MANUFACTURING: BA-

TOP SPECIALIZED SKILLS

- Repair
- Inspection
- Forklift Operation
- Machinery
- Sales
- Mathematics
- SAP
- Packaging
- Scheduling
- Merchandising
- Inventory Management
- Product Sale and Delivery
- Data Entry
- Hand Tools
- Cleaning

- Schematic Diagrams
- Description and Demonstration of...
- Programmable Logic Controller...
- Accounting
- Welding
- Personal Computers
- Blueprints
- Machine Operation
- Process Improvement
- Purchasing
- Food Safety
- Collaboration
- Sales Management
- Administrative Support
- Expense Reports

Total Postings: Last 12 months
MANUFACTURING: BA-

**TOP SKILL CLUSTERS**

- Common Skills: Communication...
- Common Skills: Business...
- Common Skills: Problem Solving
- Software and Programming Skills
- Common Skills: Project and Process...
- Customer Service: Basic Assistance
- Repair: General
- Sales: General
- Admin Support: General
- Finance: Accounting, Bookkeeping,...
- IT: Business Intelligence
- Supply Chain and Logistics: General
- Common Skills: Language
- Construction: General
- Customer Service: Sales

**TOP BASELINE SKILLS**

- Communication Skills
- Organizational Skills
- Writing
- Customer Service
- Microsoft Office
- Microsoft Excel
- Problem Solving
- Troubleshooting
- Computer Skills
- Detail-Oriented
- Leadership
- Planning
- Management
- Quality Assurance and Control
- Preventive Maintenance

Total Postings: Last 12 months

Total Postings: Last 12 months
MANUFACTURING: BA-

Top Certifications

- FORKLIFT OPERATOR CERTIFICATION
- COMMERCIAL DRIVER’S LICENSE
- MICROSOFT CERTIFIED SYSTEMS ENGINEER (MCSE)
- ALCOHOL SERVER CERTIFICATION
- CERTIFIED NOVELL ENGINEER
- NETWORK+ CERTIFIED
- MICROSOFT CERTIFIED PROFESSIONAL (MCP)
- CERTIFIED DOCUMENT IMAGING ARCHITECT
- AIR BRAKE CERTIFIED
- SIX SIGMA CERTIFICATION
- CISCO CERTIFIED NETWORK ASSOCIATE
- AIRFRAME AND POWERPLANT (A AND P) CERTIFICATION
- CISCO CERTIFIED INTERNETWORK EXPERT (CCIE)
- COSMETOLOGY LICENSE
- SIX SIGMA BLACK BELT

Total Postings: Last 12 months
MANUFACTURING: BA-

Top Employers

- Coca-Cola Enterprises Inc.
- General Electric Company
- Ricoh Electronics
- Aarons Sales And Lease
- Koch Industries, Incorporated
- Dr Pepper Snapple Group
- Hewlett-Packard
- Eaton
- Brunswick
- Novartis
- Nestle USA Incorporated
- United Technologies Corporation
- Siemens
- Lennox
- Technical Usa

Total Postings: Last 12 months
MANUFACTURING: ADVANCED

Technology
a. Computer IT BA+
b. Computer IT BA-
c. Computer IT Overall
d. Software Development
e. Software Development BA-
f. Wireless/Mobility
g. Internet Security
h. Digital Media and Gaming
i. Financial Transactions Processing

Bioscience
a. Health IT Software Development
b. Biotech
c. Biotech BA+
d. Biotech BA-

Supply Chain & Logistics
a. Supply Chain Management & Software
b. Distribution Services

Hospitality

Healthcare
a. Healthcare BA+
b. Healthcare BA-

Manufacturing
a. Manufacturing Overall
b. Manufacturing BA+
c. Manufacturing BA-
d. Manufacturing Advanced
Advanced Manufacturing

Defined as postings classified within the manufacturing industry that also fall within the advanced manufacturing skill cluster.
Top 5 MSA Job Postings + Atlanta

Los Angeles-Long Beach-Santa Ana, CA (Metropolitan Statistical Area) - 3,977
Detroit-Warren-Livonia, MI (Metropolitan Statistical Area) - 2,952
Boston-Cambridge-Quincy, MA-NH (Metropolitan NECTA) - 2,847
Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan Statistical Area) - 2,357
Atlanta-Sandy Springs-Marietta, GA (Metropolitan Statistical Area) - 1,128

Total Postings: 2013

Atlanta ranks 14th in the nation.
MANUFACTURING: ADVANCED

Atlanta Compared to the Nation and Top 5 MSAs

In 2013, Atlanta ranked 14th among MSAs in advanced manufacturing jobs, up from 17th in 2007

- From 2007 to 2013, postings in the Atlanta MSA market increased from 468 in 2007 to 1,128 in 2013
  - This 141% increase compares to 136% growth in the nation on the whole
  - Atlanta’s national share of advanced manufacturing jobs stayed steady at 1.4% from 2007 to 2013
  - This 141% increase is higher than all of the top five MSAs except Detroit, where this type of posting expanded over 600% 2007-2013
- From 2010 to 2013, advanced mfg postings in Atlanta increased 45%
  - This is slightly higher than the 40% percentage growth in the nation on the whole ’10-‘13
  - Again, among the top five MSAs, this rate trails only Detroit (140%) in growth rates in this type of posting from 2010 to 2013
MANUFACTURING: ADVANCED

TOP LOCATIONS BY AD VOLUME

- Los Angeles-Long Beach-Santa Ana, CA
- Detroit-Warren-Livonia, MI (Metropolitan)
- Chicago-Joliet-Naperville, IL-IN-WI (Metropolitan)
- New York-Northern New Jersey-Long Island, NY-NJ
- Boston-Cambridge-Quincy, MA-NH (Metropolitan)
- Houston-Sugar Land-Baytown, TX (Metropolitan)
- Milwaukee-Waukesha-West Allis, WI
- San Francisco-Oakland-Fremont, CA (Metropolitan)
- San Jose-Sunnyvale-Santa Clara, CA (Metropolitan)
- Atlanta-Sandy Springs-Marietta, GA (Metropolitan)

POSTINGS PER CAPITA

- Detroit-Warren-Livonia, MI
- Milwaukee-Waukesha-West Allis, WI
- Cincinnati-Middletown, OH-KY-IN (Metropolitan)
- San Jose-Sunnyvale-Santa Clara, CA
- Boston-Cambridge-Quincy, MA-NH (Metropolitan)
- Minneapolis-St. Paul-Bloomington, MN-WI
- Seattle-Tacoma-Bellevue, WA
- Los Angeles-Long Beach-Santa Ana, CA
- Houston-Sugar Land-Baytown, TX (Metropolitan)
- Philadelphia-Camden-Wilmington, PA-NJ-DE-MD

Total Postings: Last 12 months

Postings Per 10,000 Working-Age Residents: Last 12 months
MANUFACTURING: ADVANCED

Top Titles

- Manufacturing Engineer
- Process Engineer
- Quality Engineer
- Production Manager
- Manufacturing Manager
- Plant Manager
- Mechanical Engineer
- Production Supervisor
- Associate Consultant
- Engineering Manager
- Industrial Engineer
- Manufacturing Supervisor
- Procurement Manager
- Maintenance Mechanic
- Product Development Engineer

Total Postings: Last 12 months
MANUFACTURING: ADVANCED

MINIMUM EDUCATIONAL REQUIREMENTS

- High school: 13.53%
- Sub-BA: 2.25%
- Bachelor's degree: 78.00%
- Graduate degree: 6.22%

CERTIFICATIONS REQUIRED

- SIX SIGMA CERTIFICATION
- SIX SIGMA BLACK BELT
- SIX SIGMA GREEN BELT
- CERTIFIED QUALITY ENGINEER
- PROJECT MANAGEMENT CERTIFICATION (E.G. PMP)
- CERTIFIED ACCOUNTS PAYABLE ASSOCIATE
- CERTIFIED QUALITY AUDITOR
- LEAN SIX SIGMA
- FORKLIFT OPERATOR CERTIFICATION
- CERTIFIED INTERNAL AUDITOR
- CERTIFIED IN PRODUCTION AND INVENTORY MANAGEMENT
- AMERICAN SOCIETY FOR QUALITY (ASQ) CERTIFICATION
- QUALITY MANAGEMENT CERTIFICATION (E.G. CMQ)
- CERTIFIED INFORMATION SYSTEMS AUDITOR (CISA)
- IT INFRASTRUCTURE LIBRARY

Total Postings: Last 12 months
MANUFACTURING: ADVANCED

Top Employers

- Coca-Cola Enterprises Inc.
- General Electric Company
- Eaton
- Novartis
- Lockheed Martin Corporation
- Siemens
- Acuity Brands Incorporated
- Koch Industries, Incorporated
- 3M Company
- The Davis Company
- Novelis
- Technical Usa
- Magna International
- Georgia-Pacific
- Immucor Incorporated

Total Postings: Last 12 months