



# Information Technology Industry

## REAL TIME LABOR MARKET SUMMARY

December 2017

### Information Technology Industry Labor Analysis Across the State During the Last 6 Months

A sampling of the IT industry for the 6-month period showed over 1,500 job postings for top demand jobs. The top occupation was Software Developers, Applications, making up 13.3% of total job postings.

Top Job Postings		% of Online Job Postings
SOC Code	Occupations	
<b>Now Occupations</b>		
41-4012	Sales Representatives, Wholesale and Manufacturing	3.4%
43-6014	Secretaries and Administrative Assistants	1.1%
43-4051	Customer Service Representatives	1.1%
43-9051	Mail Clerks and Mail Machine Operators	0.8%
33-9032	Security Guards	0.7%
53-3033	Light Truck or Delivery Services Drivers	0.5%
43-3011	Bill and Account Collectors	0.4%
43-3021	Billing, Cost, and Rate Clerks	0.4%
43-4071	File Clerks	0.4%
43-9021	Data Entry Keyers	0.4%
<b>Next Occupations</b>		
15-1151	Computer User Support Specialists	2.5%
43-1011	First-Line Supervisors of Office and Admin. Support Workers	1.2%
15-1134	Web Developers	1.1%
15-1152	Computer Network Support Specialists	0.8%
19-4099	Quality Control Analysts	0.7%
49-9071	Maintenance and Repair Workers, General	0.6%
29-2071	Medical Records and Health Information Technicians	0.6%
43-3031	Bookkeeping, Accounting, and Auditing Clerks	0.2%
43-6011	Executive Secretaries and Executive Admin. Assistants	0.2%
17-3029	Manufacturing Production Technicians	0.2%
<b>Later Occupations</b>		
15-1132	Software Developers, Applications	13.3%
13-1111	Management Analysts	7.0%
15-1199	Computer Systems Engineers/Architects	5.0%
15-1121	Computer Systems Analysts	4.4%
11-9199	Managers, All Other	3.4%
15-1199	Information Technology Project Managers	3.2%
15-1122	Information Security Analysts	2.8%
15-1199	Business Intelligence Analysts	2.7%
15-1141	Database Administrators	2.2%
13-2011	Accountants	2.0%

Occupations are divided into Now, Next and Later categories based on the typical training and education required. Now occupations usually require 1-12 months of on-the-job training. Next occupations usually require more than one year of on-the-job training and can additionally need specific work experience. These occupations often require an associate's degree or vocational certificate. Later occupations usually require a bachelor's degree or higher and may need specific work experience.

Over three-fourths (78%) of jobs posted for this industry and time period fell into the Later category, indicating this is an industry that demands technical and skilled labor.

The top five employers for the 6-month period of June 2017 – November 2017, making up nearly one-half (44%) of total job postings, were:

- Cerner Corporation
- DST Systems
- Computer Task Group
- Information Technology Group
- ACS Group



## Information Technology Skills and Certifications

Top 10 Basic Skills	
Description	Rank
Communication Skills	1
Writing	2
Problem Solving	3
Team Work/ Collaboration	4
Planning	5
Troubleshooting	6
Research	7
Detail-Oriented	8
Organizational Skills	9
Presentation Skills	10

Top 10 Specialized Skills	
Description	Rank
Project Management	1
Customer Service	2
Microsoft Office	3
Microsoft Excel	4
SQL	5
Budgeting	6
Customer Contact	7
Software Development	8
JAVA	9
Scheduling	10

Basic skills are the most numerous, found in the majority of job advertisements. Several soft skills such as communication, writing, and problem solving ranked in the top 10 requested basic skills. Communication skills were found in over one-third (34%) of total job postings for the time period. Project management was the top specialized skill, followed by customer service and Microsoft Office.

Top 10 Software Skills	
Description	Rank
Microsoft Office	1
Microsoft Excel	2
SQL	3
JAVA	4
Oracle	5
Microsoft Powerpoint	6
JavaScript	7
LINUX	8
Microsoft Word	9
SQL Server	10

Top 10 Certificates	
Description	Rank
Security Clearance	1
Project Management Certification (E.G. PMP)	2
Certified Public Accountant (CPA)	3
Certified Information Systems Security Professional (CISSP)	4
Certified Information Systems Auditor (CISA)	5
Cisco Certified Network Professional (CCNP)	6
Certified A+ Technician	7
SANS/GIAC Certification	8
Security+	9
Certified Information Security Manager (CISM)	10

Both programming skills and knowledge of Microsoft products ranked in the top requested software skills. The top requested certificate was Security Clearance, followed by Project Management Certification (PMP).

### Notes:

Data for this analysis has been extracted using Burning Glass Technologies Labor/Insight™ tool which collects information from over 35,000 web sources, including job boards, newspapers, and employer websites. While this analysis presents a broad picture of hiring activity and serves as a measure of labor demand, it does not capture openings that are filled through other networks.

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