



# Information Technology Industry

## REAL TIME LABOR MARKET SUMMARY

June 2017 ■ Statewide

### 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 10.2% of total job postings.

Top Job Postings		% of
SOC Code	Occupations	Online Job Postings
<b>Now Occupations</b>		
41-4012	Sales Representatives, Wholesale and Manufacturing	5.4%
43-4051	Customer Service Representatives	1.7%
53-3033	Light Truck or Delivery Services Drivers	1.3%
43-6014	Secretaries and Administrative Assistants	1.3%
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	0.7%
43-9061	Office Clerks, General	0.7%
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	0.4%
43-9051	Mail Clerks and Mail Machine Operators	0.3%
43-9021	Data Entry Keyers	0.2%
43-5071	Shipping, Receiving, and Traffic Clerks	0.2%
<b>Next Occupations</b>		
15-1151	Computer User Support Specialists	1.8%
29-2071	Medical Records and Health Information Technicians	1.5%
43-1011	First-Line Supervisors of Office and Admin. Support Workers	0.9%
49-9071	Maintenance and Repair Workers, General	0.7%
15-1152	Computer Network Support Specialists	0.6%
15-1134	Web Developers	0.6%
43-3031	Bookkeeping, Accounting, and Auditing Clerks	0.5%
29-2061	Licensed Practical and Licensed Vocational Nurses	0.3%
43-6011	Executive Secretaries and Executive Admin. Assistants	0.2%
17-3013	Mechanical Drafters	0.2%
<b>Later Occupations</b>		
15-1132	Software Developers, Applications	10.2%
13-1111	Management Analysts	6.0%
11-9199	Managers, All Other	4.2%
15-1121	Computer Systems Analysts	4.1%
15-1199	Computer Systems Engineers/Architects	4.0%
15-1199	Information Technology Project Managers	3.0%
15-1122	Information Security Analysts	2.4%
15-1141	Database Administrators	2.3%
13-2011	Accountants	2.1%
15-1199	Business Intelligence Analysts	2.1%

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.

Three-fourths (75%) 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 5 employers for the time period were Cerner Corporation, DST Systems, Oracle, Computer Task Group, and Sirius Computer Solutions; which together make up nearly two-thirds (61%) of total job postings for the time period.



## Information Technology Skills and Certifications

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

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

Basic skills are the most numerous, being found in the majority of job advertisements. Several soft skills such as communication, writing, and team work ranked in the top 10 requested basic skills. Communication skills were found in over one-third (38%) of total job postings for the time period. Project management was the top specialized skill, followed by Microsoft Office and customer service.

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

Top 10 Certificates	
Description	Rank
Project Management Certification (E.G. PMP)	1
Security Clearance	2
Certified Information Systems Security Professional (CISSP)	3
Cisco Certified Network Professional (CCNP)	4
Certified Public Accountant (CPA)	5
Six Sigma Certification	6
It Infrastructure Library	7
Certified A+ Technician	8
Certified Information Systems Auditor (CISA)	9
Cisco Certified Network Associate	10

Both programming skills and knowledge of Microsoft products ranked in the top requested software skills. The top requested certificate was Project Management Certification, followed Security Clearance and Certified Information Systems Security Professional (CISSP).

### 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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