



Missouri Occupation Brief

Computer Programming Languages

Knowing the Code

Information Technology occupations are some of the most in demand occupations in Missouri. Computer programming, developing, and support occupations employed over 79,000 people in 2016 (2016 Occupational Employment Statistics estimates). **Information Technology** occupations are projected to grow 10.8% from 2014-2024 (MERIC Long-Term Employment Projections).

From Apr. 01, 2017 - Mar. 31, 2018 there were nearly 37,000 on-line job ads for selected **IT** occupations (Burning Glass Technologies). Programming skills are highly valued in these occupations. The majority of job ads for these occupations request applicants are proficient in various computer-programming languages. Top requested programming languages include SQL, Java, and Oracle, most commonly found in job ads for Software Developers and Database Administrators.

Top 20 Requested Programming Languages in Computer Occupations

Skill	Language Type	Online Job Ads
SQL	Database Language	8,773
JAVA	Programming Language	6,503
Oracle	Database Language	5,649
C#	Programming Language	4,916
JavaScript	Programming Language	4,060
LINUX	Other - Operating Systems	3,612
Python	Programming Language	2,803
UNIX	Other - Operating Systems	2,764
Extensible Markup Language (XML)	Other - Markup Language	1,963
Git	Programming Language	1,817
SAP	Other - Enterprise	1,669
jQuery	Programming Language	1,387
C++	Programming Language	1,336
ASP	Other-Development	1,322
HTML5	Other - Markup Language	1,096
Atlassian JIRA	Other-Development	1,026
PERL	Programming Language	1,024
NoSQL	Database Language	984
AngularJS	Other - Markup Language	984
PowerShell	Programming Language	960

Source: Labor Insight Burning Glass, online job ads Apr. 01, 2017 - Mar. 31, 2018

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Who's Hiring?

Industries with the most job postings for Information Technology occupations included *Professional, Scientific, and Technical Services* and *Credit Intermediation and Related Activities*. The top employer was Accenture, followed by Spectrum and Anthem Blue Cross.

Top Industries			Top Employers
NAICS code	NAICS Title	Online Job Ads	Accenture
541	Professional, Scientific, and Technical Services	5,396	Spectrum
522	Credit Intermediation and Related Activities	1,859	Anthem Blue Cross
524	Insurance Carriers and Related Activities	1,782	Deloitte
561	Administrative and Support Services	735	Wells Fargo
336	Transportation Equipment Manufacturing	706	The Boeing Company
622	Hospitals	674	Jack Henry and Associates
611	Educational Services	513	Centene Corporation
515	Broadcasting (except Internet)	447	Mastercard
928	National Security and International Affairs	356	World Wide Technology
325	Chemical Manufacturing	342	

Source: Labor Insight Burning Glass, online job ads Apr. 01, 2017 - Mar. 31, 2018

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Skill Profile

SQL

SQL is a domain-specific, declarative programming language used for managing relational databases and performing various operations on the data in them. SQL statements are used to perform tasks such as update data on a database, or retrieve data from a database. Training for SQL is available through self-study tools, in-person training, or online classes. SQL is most commonly requested in jobs ads for *Software Developers*, *Database Administrators*, and *Business Intelligence Analysts*.

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