



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 84,000 people with an average wage of \$78,690 in 2017 (2017 Occupational Employment Statistics estimates). **Information Technology** occupations are projected to grow 18.37% from 2016-2026 (MERIC Long-Term Employment Projections).

From Mar. 1, 2018 - Feb. 28, 2019 there were over 49,000 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 C#, most commonly found in job ads for *Applications Software Developers* and *Computer User Support Specialists*.

Top 20 Requested Programming Languages in Computer Occupations

Skill	Language Type	Online Job Ads
SQL	Database Language	12,131
Java	Programming Language	10,118
C#	Programming Language	7,054
Oracle	Database Language	6,339
JavaScript	Programming Language	6,057
Linux	Other - Operating Systems	5,070
Python	Programming Language	4,527
Microsoft C#	Programming Language	4,010
SQL Server	Database Language	3,727
UNIX	Other - Operating Systems	3,612
Scrum	Other - Development	3,416
Extensible Markup Language (XML)	Other - Markup Language	2,783
SAP	Other - Enterprise	2,660
Git	Programming Language	2,603
AngularJS	Other - Markup Language	2,087
C++	Programming Language	1,916
jQuery	Other - Markup Language	1,812
HTML5	Programming Language	1,569
ASP.NET	Other - Development	1,541
Oracle PL/SQL	Database Language	1,430

Source: Labor Insight Burning Glass, online job ads Mar. 01, 2018 - Feb. 28, 2019

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 *Boeing*, followed by *Nextgen Information Services* and *Centene*.

Top Industries		
NAICS code	NAICS Title	Online Job Ads
541	Professional, Scientific, and Technical Services	6,207
522	Credit Intermediation and Related Activities	1,730
524	Insurance Carriers and Related Activities	1,325
336	Transportation Equipment Manufacturing	1,176
561	Administrative and Support Services	1,108
611	Educational Services	797
622	Hospitals	737
511	Publishing Industries (except Internet)	643
515	Broadcasting (except Internet)	467
928	National Security and International Affairs	444

Source: *Labor Insight Burning Glass*, online job ads Mar. 01, 2018 - Feb. 28, 2019

Top Employers

The Boeing Company
Nextgen Information Services Inc.
Centene Corporation
Spectrum
Deloitte
U.S. Bancorp
Wells Fargo
MasterCard Worldwide
World Wide Technology
Cerner Corporation

Source: *Labor Insight Burning Glass*, online job ads Mar. 01, 2018 - Feb. 28, 2019

Skill Profile

Java

Java is a programming language and computing platform, originally designed for handheld devices and set-top boxes. Currently it is a popular choice for creating web applications. Java is most commonly requested in job ads for *Software Developers*, *Computer Systems Engineers/Architects*, and *Web Developers*. Employers requesting Java in on-line job ads include *Nextgen Information Services*, *Mastercard*, and *Boeing*.

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