







# Full-Stack Developer





## WHAT DOES A FULL-STACK DEVELOPER DO?

A Full-Stack Engineer is a technology professional who works throughout all phases of the software development lifecycle: writing, testing, and maintaining the code that powers highly scalable cloud applications. They work with the technical components on the front- and back-end of applications, as well as the platforms and systems that their applications run on.

## Day-to-Day Expectations and Responsibilities

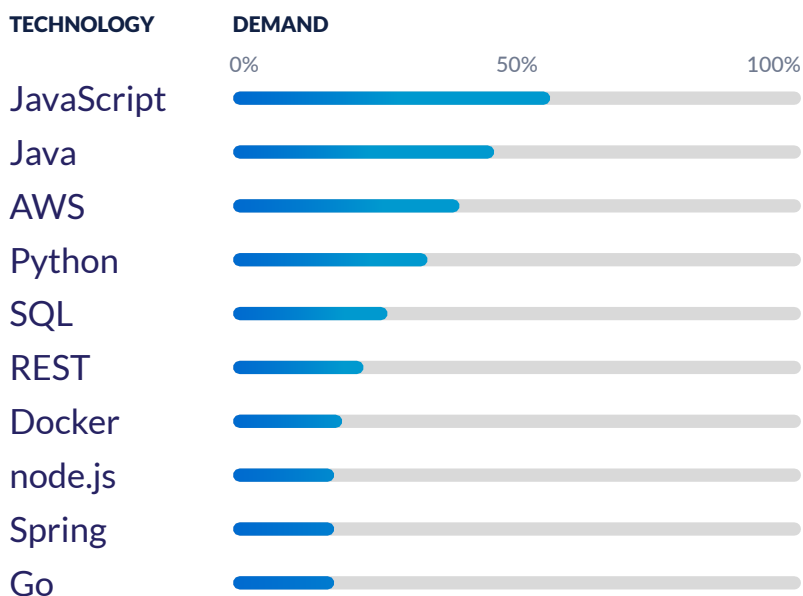
-  **Write understandable, high-quality code**  
and deeply grasp the series of technologies to power products and applications
-  **Work collaboratively with other technical team members**  
to develop technologies that serve to achieve business goals
-  **Collaborate with product, design, and business teams**  
to translate feature specifications into implementable code and architectures
-  **Build and document**  
re-usable front-end and back-end software components

## Key Traits of a Full-Stack Developer

-  **Operational Mindset:** Full-Stack Engineers must be able to step back and understand the bigger picture to improve the performance and maintainability of the code they write.
-  **Problem Solving:** Full-Stack Engineers should be adaptable, proactive, and willing to take ownership in the software development lifecycle.
-  **Collaborative:** Full-Stack Engineers must work cooperatively with product managers and business stakeholders to implement requirements into product.
-  **Inquisitive:** Full-Stack Engineers are natural builders and take extra efforts to understand the inner-workings of technology.

## FULL-STACK DEVELOPER

### Trending Technology Skills for Full-Stack Developers



\*Figures represent the share of all Full-Stack Developer job postings analyzed that require a given skill. Data as of October 1, 2018. View this week's data [here](#).

[View the Full Index](#)

### Full-Stack Developer Target Skill Set

#### Technical Skill Set

- ✓ Knowledge of data structures, algorithms, operating systems, and distributed systems
- ✓ Experience with databases including SQL and NoSQL
- ✓ Proficiency in languages commonly used in web application development such as JavaScript, Python, Java, HTML, and CSS

#### Non-Technical Skill Set

- ✓ Track record of learning quickly
- ✓ Ability to influence others and collaborate across teams
- ✓ Strong sense of ownership

### Starter Training Plan for Full-Stack Developers

The following Cloud Academy courses and training plans prepare professionals to become a Full-Stack Developer. [Learn More About Training Plans >](#)

 **Amazon Web Services**

[Getting Started with Serverless Computing on AWS](#)

[Serverless Computing on AWS for Developers](#)

[Serverless Python Web Development For AWS](#)

 **Microsoft Azure**

[Architecting Microsoft Azure Solutions: 70-535 Exam Preparation](#)

 **Google Cloud Platform**

[Google Cloud Platform Fundamentals](#)

[Google Cloud Platform for Solution Architects](#)

### Industry Certification(s) for Full-Stack Developers

After taking courses with Cloud Academy, Cloud Developers can consider the following certifications.

 **Amazon Web Services**

[AWS Certified Developer - Associate](#)

 **Microsoft Azure**

[70-532 Exam: Developing Microsoft Azure Solutions](#)

 **Google Cloud Platform**

[Associate Cloud Engineer](#)