



Software



FULL STACK JAVA DEVELOPER

Masters Program



In collaboration with



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About Simplilearn



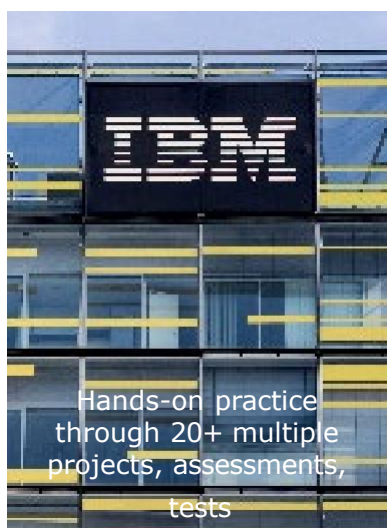
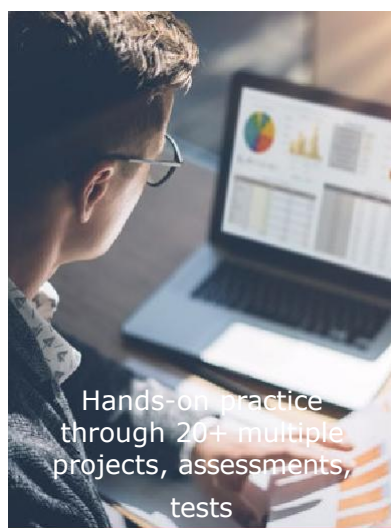
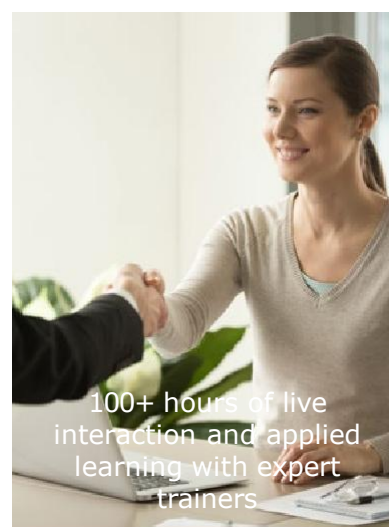
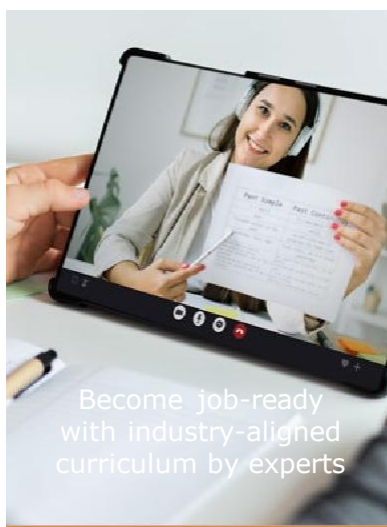
About the course

This Full Stack Java Developer program will help you master both front-end and back-end Java technologies and accelerate your career as a Full Stack Software Developer. This course will expose you to basic and advanced concepts of web development. You will get hands-on experience with ReactJS, Spring Boot, Servlets, JSPs, web services, and other critical skills.

You will learn how to use JavaScript, and Node.js to build dynamic and interactive websites; write APIs; build web applications using Java; test and deploy code using DevOps; store data using MongoDB; and much more. This course will help advance your career as a full stack developer and help you learn some of the most high-demand skills in the industry.

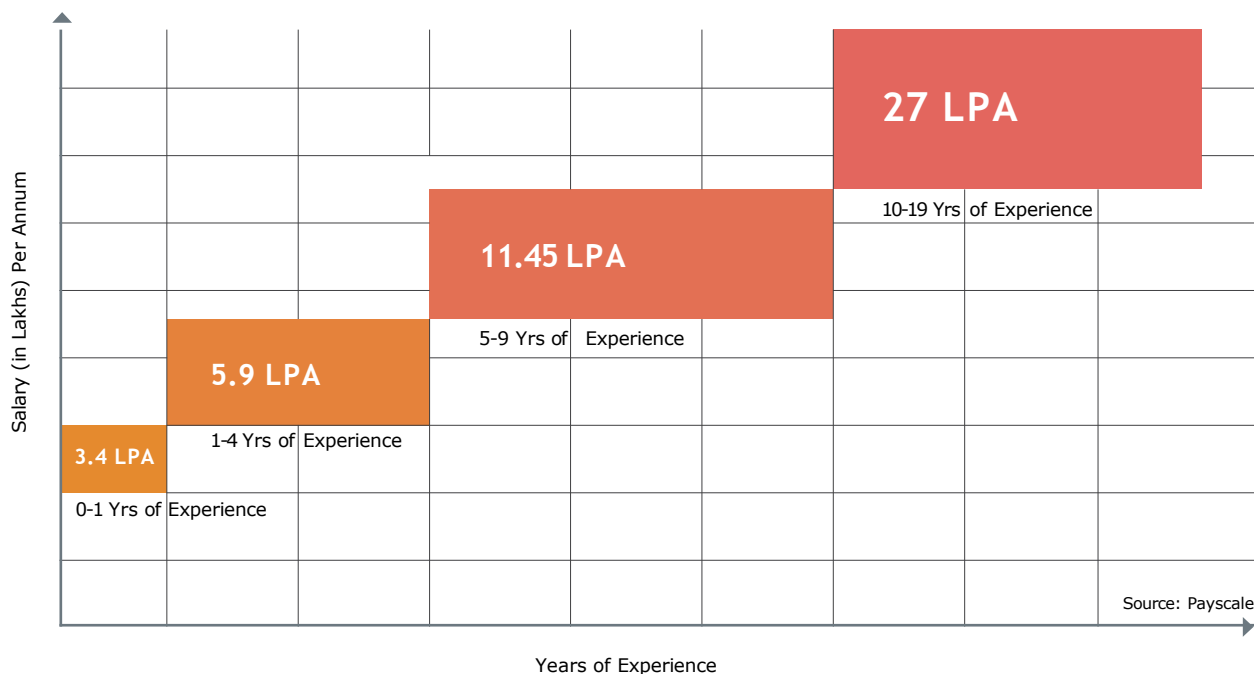


The only Full Stack Java Developer program in the industry with:

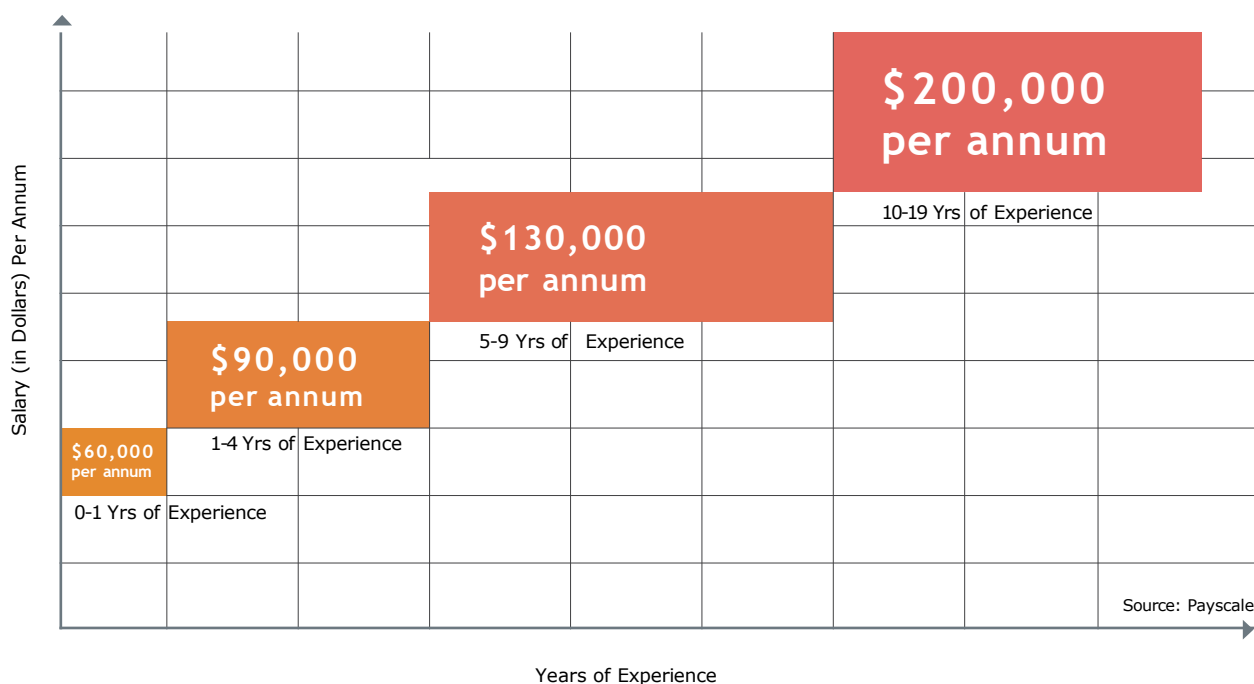


Careers in Full Stack Development

India



US



Some of the job roles associated with Full Stack Development are Full Stack Developer, Front-end Engineer, Full Stack Engineer, Software Engineer, etc.

Program Outcome

At the end of this program, you will be able to



Learn the fundamentals of software development to create outstanding apps



Become an Agile practitioner with the capacity to join a project in progress in your sector rapidly



Clone, then begin modifying a live repository



Create fantastic front-end features



Build scalable back-end infrastructure



Choose your own stack based on the delivery schedule and requirements



Test features with minimal effort and deploy them seamlessly to production



From scratch, create a functioning industrial application

Learning Path & Career Services





All About Planning and Designing UI

Comprehend the fundamental ideas behind Agile and Scrum. Get in-depth knowledge of Git, which is used to handle version control systems. Develop interactive and dynamic applications with HTML, CSS, and ReactJS.

Skills covered:

- ✓ Agile
- ✓ HTML
- ✓ ReactJS
- ✓ Git
- ✓ CSS
- ✓ Cucumber
- ✓ SQL
- ✓ JavaScript

By the end of this phase, you will be able to:

1. Work with Agile methodology
3. Learn the concepts of SQL
5. Get familiar with the basics of JavaScript
2. Use a version control system, maintain your code in the cloud, and understand repositories
4. Understand basics of web development, and create visually appealing websites
6. Create front-end applications with a framework approach
7. Perform E2E testing



Data Structure and Algorithm

In this module, you will understand core data structures like—arrays, linked lists, stacks, queues, trees, heaps, and graphs - enabling you to select the optimal data structures for diverse scenarios.

Skills covered:

- ✓ Data structures
- ✓ Types of Data Structures
- ✓ Searching and Sorting Algorithm
- ✓ Recursion and Backtracking

By the end of this phase, you will be able to:

1. Solve problem using algorithm
2. Understand fundamentals of data structures



A-Z of Back-end and Database Development

Familiarize yourself with back-end development technologies by gaining knowledge of Java servlets, and JSP which helps you connect databases with JDBC.

Skills covered:

- ✓ Core Java
- ✓ Maven
- ✓ JDBC
- ✓ Servlets
- ✓ JSP
- ✓ MongoDB

By the end of this phase, you will be able to:

1. Get familiar with DB communication with Java
2. Understand Core Java concepts
3. Understand server-side coding using Servlets
4. Build automations
5. Develop web pages to execute Java inline



API Endpoints and Communication

Learn the fundamentals of Spring and its framework architecture, utilize Spring Boot to manage errors, and create RESTful web services.

Skills covered:

- ✓ JUnit
- ✓ Spring
- ✓ Spring Boot
- ✓ Web Services

By the end of this phase, you will be able to:

1. Write test cases using JUnit
2. Get started with Spring
3. Develop a rapid application using Spring Boot
4. Understand REST and SOAP services



Capstone Project

In this full stack bootcamp approach, you will work on an original problem from the beginning and learn how to put your abilities to use. The capstone project aids in the development of a portfolio that will represent your abilities to a wide range of people, including potential employers.



Learn All Things Integration and Deployment

Learn how to deploy continuous integration and automation using common DevOps tools.

Skills covered:

✓ AWS

✓ Jenkins

✓ Docker

By the end of this phase, you will be able to:

1. Build automation using Jenkins
2. Get started with AWS
3. Use containerization with Docker

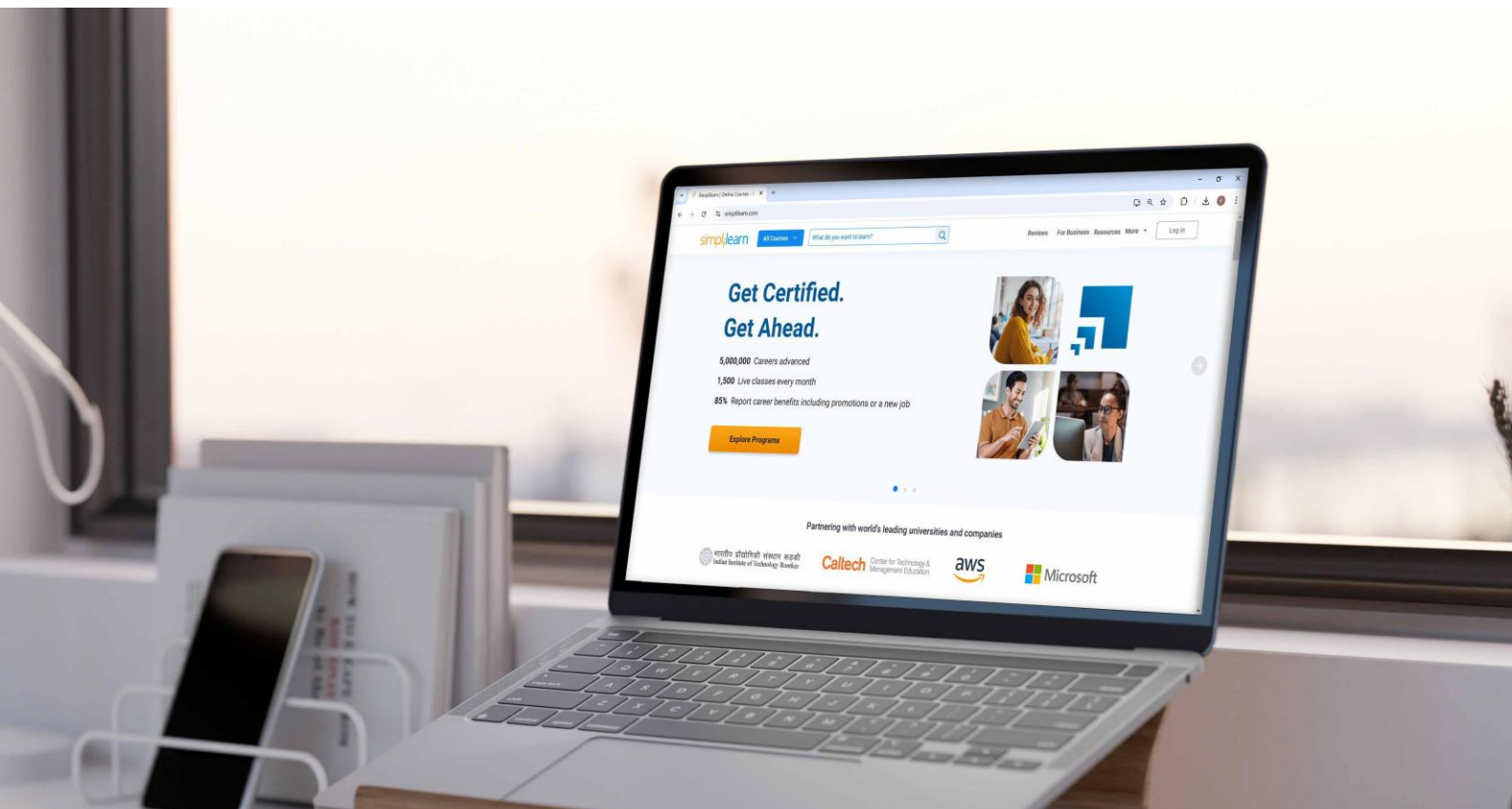


Certificate



About Simplilearn

Founded in 2010 and based in Plano, Texas and Bangalore, India, Simplilearn, a Blackstone portfolio company, is the world's leading digital skills provider, enabling learners across the globe. Simplilearn offers access to world-class work-ready training to individuals and businesses worldwide. Simplilearn offers 1,500+ live online classes each month across 150+ countries, impacting over 8 million learners globally. The programs are designed and delivered with world-renowned universities, top corporations, and leading industry bodies via live online classes featuring top industry practitioners, sought-after trainers, and global leaders. From college students and early career professionals to managers, executives, small businesses, and big corporations, Simplilearn's role-based, skill-focused, industry-recognized, and globally relevant training programs are ideal upskilling solutions for diverse career or business goals.





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