



Software

Database

# FULL STACK JAVA DEVELOPER

Job Guarantee Program



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## 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 Angular, Spring Boot, Hibernate, Servlets, JSPs, MVC, web services, and other critical skills. You will

learn how to use JavaScript, jQuery, 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:



Engaging live online classes by digital marketing experts



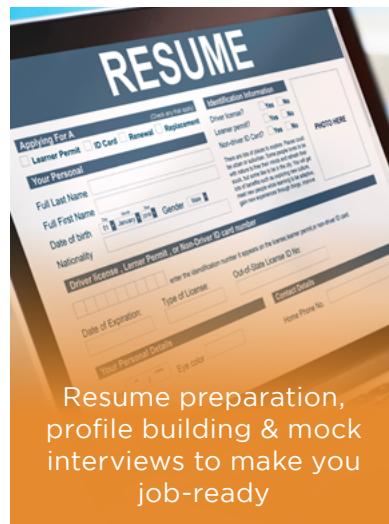
Hands-on training with many industry-relevant projects



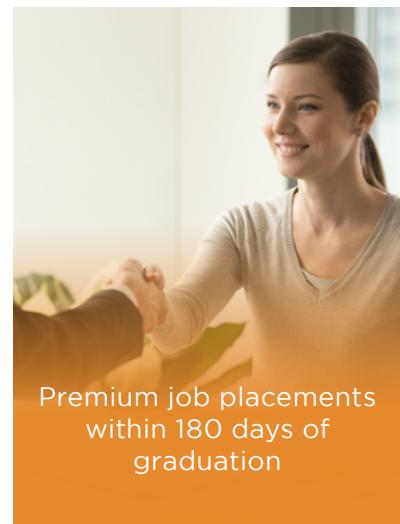
Industry recognized certification



Career mentoring through live sessions with industry veterans



Resume preparation, profile building & mock interviews to make you job-ready

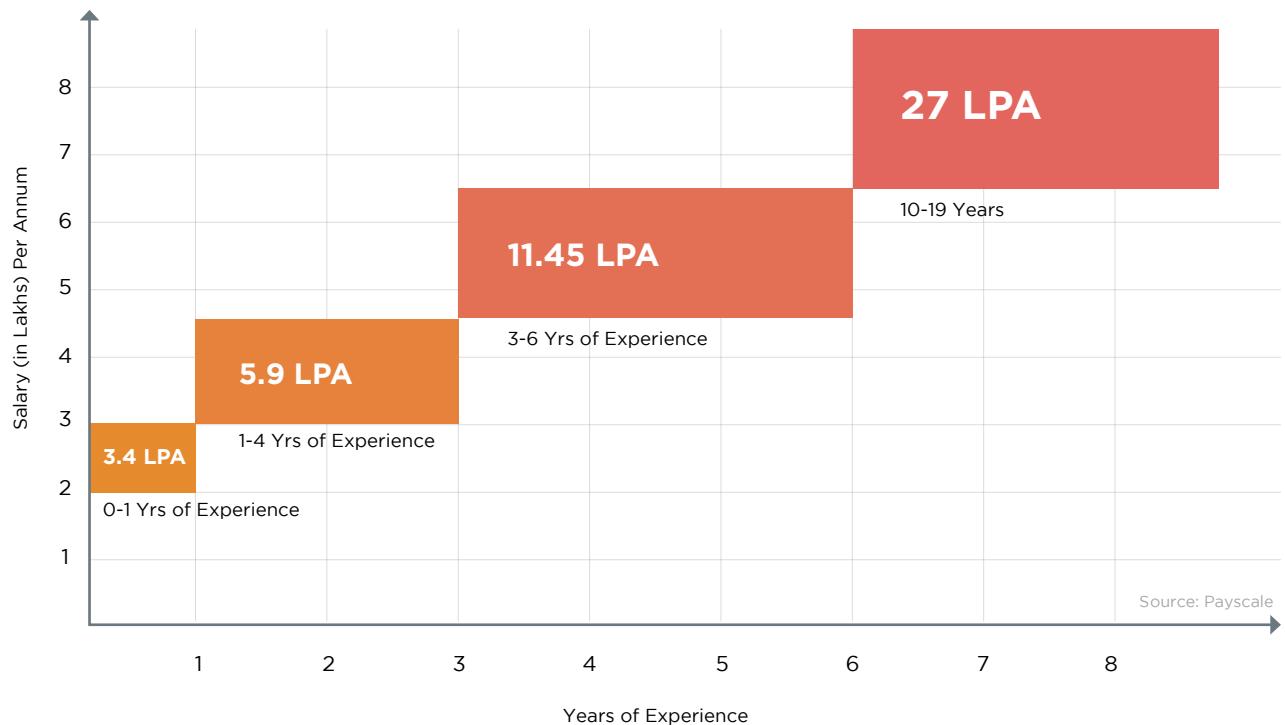


Premium job placements within 180 days of graduation

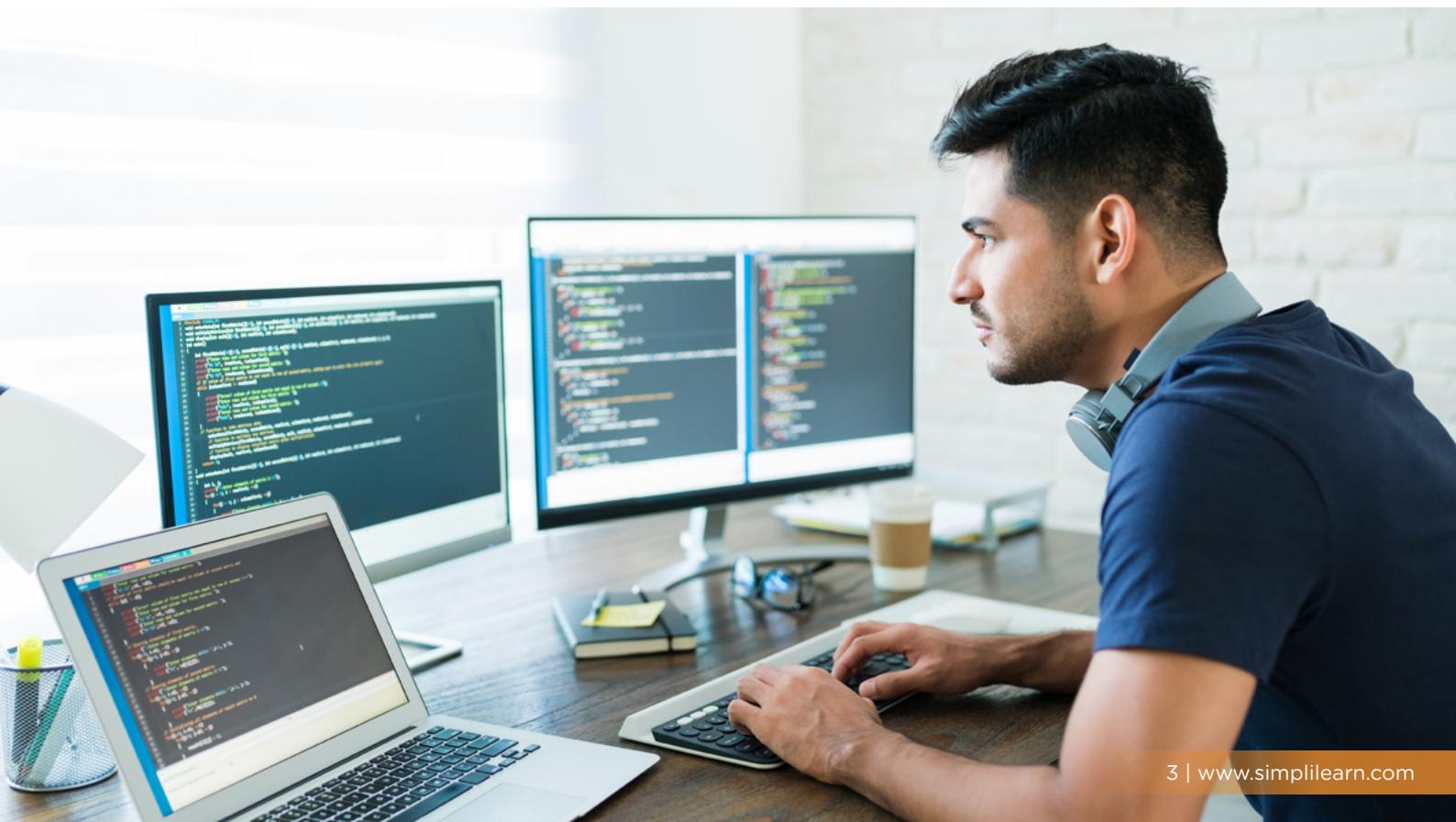


100% refund if you don't secure a job within 6 months of graduation

# Careers in Full Stack Development



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



## Simplilearn advantage



Access to variety of tools for the digital marketing and hands-on training with many industry relevant projects



AI based feedback on resume preparation and LinkedIn profile building



Interview ready with our Individual mock interview and group interview sessions



Access to the job board curated by Simplilearn where you can apply for job openings



Guaranteed job within 6 months of course completion





# Eligibility criteria and application process

## Who can apply?

A professional with

- ✓ Hold an MCA, MSc(IT), or B.Tech/M. Tech degree in any discipline from an accredited institution; 0-3 years of work experience
- ✓ Have a minimum 60% academic record throughout and be legally authorized to work in India

For more details, look at the program **terms & conditions**

## How to apply?



### Submit Application

Submit the application with the required information and check the eligibility.



### Assessment & Review

Take the qualifying test and get shortlisted to talk to the admission team.



### Admission Rollout

Secure admission by accepting the offer letter and completing the payment.

# Program Outcome

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



Master software programming concepts, the building blocks of designing great apps



Become an Agile practitioner with the ability to get on to an ongoing industry project quickly



Clone, and start working on a live repository



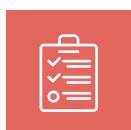
Build awesome front-end features



Architect scalable back-end infrastructure



Choose your own stack as per the requirement and delivery timeline

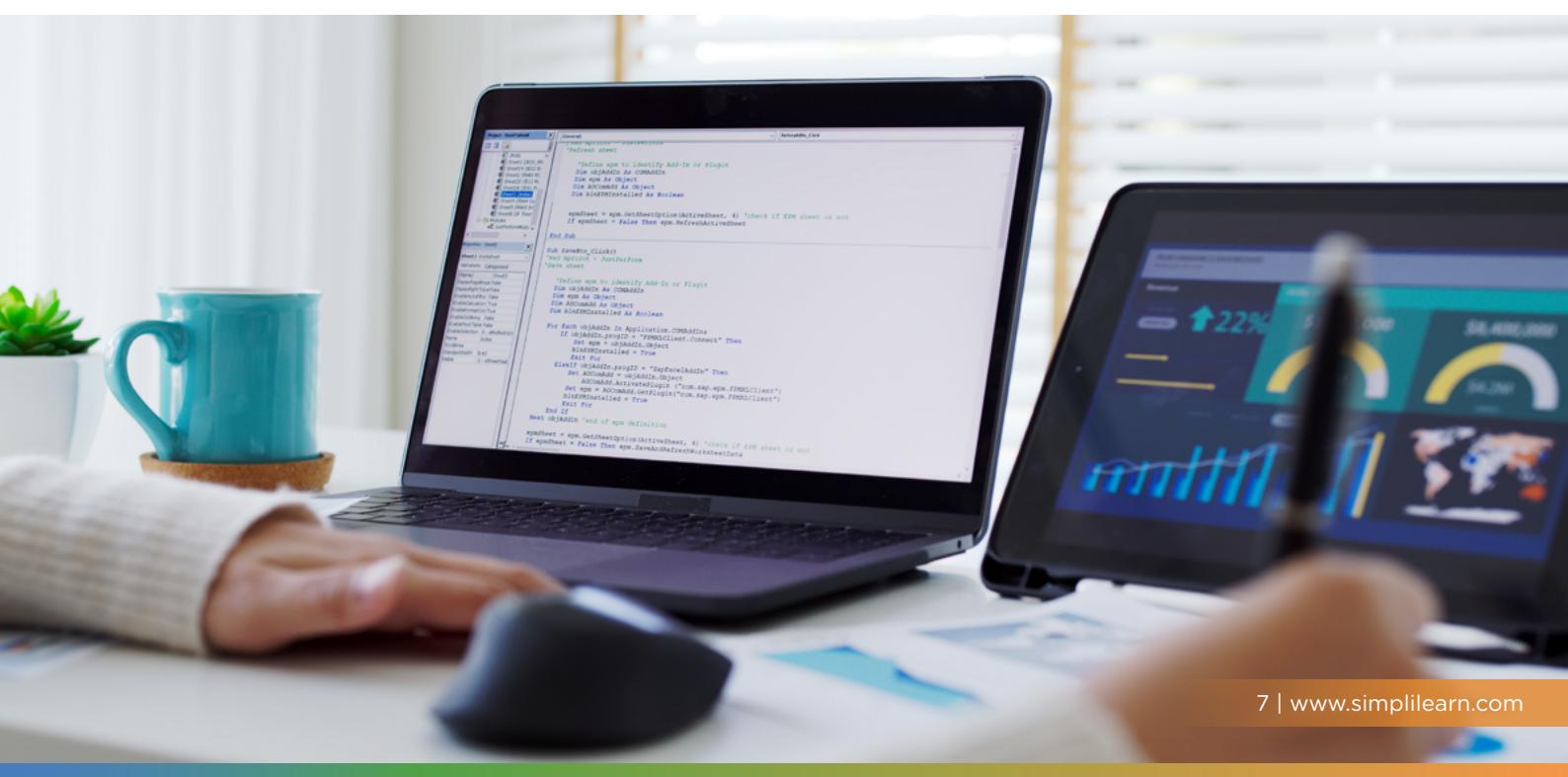
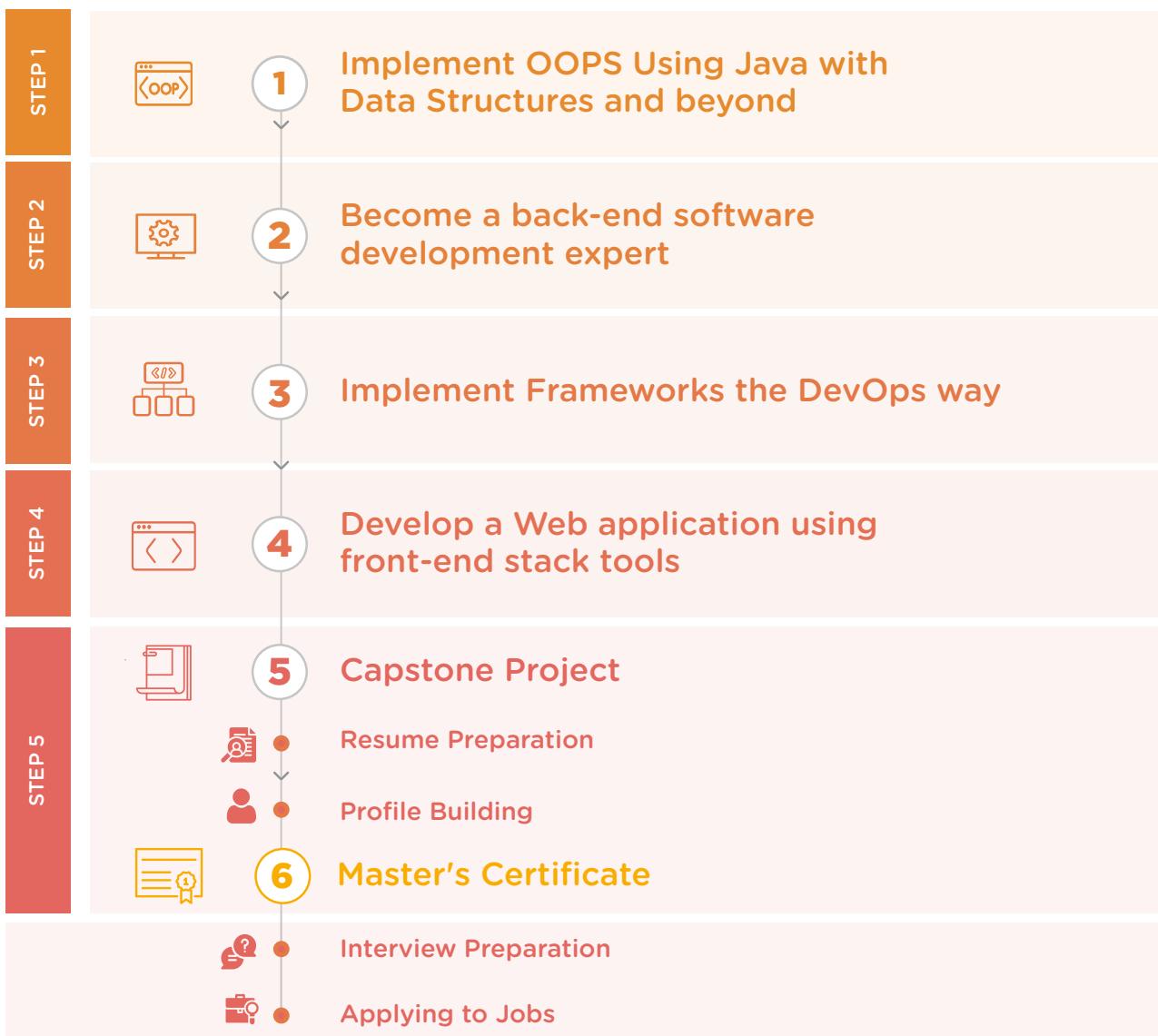


Test features with minimal effort and deploy them seamlessly to production



Build a working industry application from scratch

# Learning Path & Career Services





# Implement OOPS Using Java with Data Structures and Beyond

Brush up on your knowledge of essential software development fundamentals with this introductory phase of our Full Stack Java Developer track. Get familiar with Agile and Scrum methodologies to deliver projects on time, and learn the basics of Java and Data Structures to implement object-oriented programming concepts. Get an in-depth understanding of GIT to manage version control systems and Maven to manage project dependencies.

## After completing this phase, you will be able to:

1. Understand the underlying principles of Agile and Scrum
2. Get an overview of Git, GitHub, and Git Rebase
3. Learn about Java and its basic concepts such as methods, constructors, strings, inheritance, multithreading, and arrays

## Skills and tools covered

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Agile and Scrum | <input checked="" type="checkbox"/> Git   |
| <input checked="" type="checkbox"/> Java            | <input checked="" type="checkbox"/> Maven |



# Become a Back-end Expert

Familiarize yourself with back-end development technologies by gaining knowledge of SQL, Java servlets, and ORM relational databases with Hibernate. Learn to connect databases with JDBC and work with RESTful web services.

## After completing this phase, you will be able to:

1. Understand Servlets and the basics of SQL including DDL and DML
2. Get an overview of JDBC, JSP, REST, and Hibernate

## Skills and tools covered

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> Servlets | <input checked="" type="checkbox"/> Hibernate | <input checked="" type="checkbox"/> JDBC |
| <input checked="" type="checkbox"/> SQL      | <input checked="" type="checkbox"/> REST      |  |



## Implement Frameworks the DevOps Way

Master UI skills with advanced HTML and CSS and build 3-tier applications with rich front-end features using the Spring framework, Angular, JUnit5, and SoapUI. This phase will enable you to deploy continuous integration and automation using a common DevOps tool: Jenkins.

### After completing this phase, you will be able to:

1. Understand Spring basics, including its framework architecture
2. Handle exceptions using Spring Boot
3. Build RESTful web services
4. Comprehend the JUnit 5 platform and architecture and SoapUI features
5. Integrate continually and automate with Jenkins Pipelines

### Skills and tools covered

- |  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> Spring       | <input checked="" type="checkbox"/> JUnit 5 | <input checked="" type="checkbox"/> Jenkins |
| <input checked="" type="checkbox"/> RabbitMQ     | <input checked="" type="checkbox"/> SoapUI  |   |
| <input checked="" type="checkbox"/> Apache Kafka | <input checked="" type="checkbox"/> CI/CD   |   |



## Develop a Web Application Using Front-end Stack

Build real-world websites and applications using the front-end stack technologies such as HTML, CSS, JavaScript, and Angular. Handle diverse data types and manage your applications efficiently using MongoDB

### After completing this phase, you will be able to:

1. Understand the basics of HTML, CSS, Javascript, Typescript, Angular, and MongoDB
2. Configure Jasmine, test source codes, and test your angular application

### Skills and tools covered

- |  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> HTML and CSS | <input checked="" type="checkbox"/> TypeScript | <input checked="" type="checkbox"/> MongoDB |
| <input checked="" type="checkbox"/> Javascript   | <input checked="" type="checkbox"/> Angular    | <input checked="" type="checkbox"/> Jasmine |



# Full Stack Java Developer Capstone Projects

The Full Stack Java Developer Capstone project enables you to implement the skills you've learned in this program across industries including e-commerce, food delivery, entertainment, and healthcare. With dedicated mentoring sessions, you'll learn how to solve a real industry-aligned problem. You will receive hands-on experience developing an entire application from scratch and deploying it into a pseudo-production environment. The Capstone project is the final step in the learning path and will help you showcase your expertise to employers.



## E-commerce

Create a dynamic and responsive Java e-commerce web application using technologies such as Angular, Hibernate, MySQL, and Docker.



## Food Delivery

Build a food delivery app from scratch using your knowledge of the Spring framework, web services, and MySQL with a strong back-end to support operations.



## Entertainment

Create an entertainment application like BookMyShow using your back-end knowledge, API development, and HTML and CSS skills.



## Healthcare

Build a dynamic and effective healthcare app. Create a rich UI for effective diagnosis and health advice with Angular, Javascript ES6, and more.

# Certificate





## About Simplilearn

Simplilearn is the world's #1 online bootcamp provider that enables learners through rigorous and highly specialized training. We focus on emerging technologies and processes that are transforming the digital world, at a fraction of the cost and time of traditional approaches. Over one million professionals and 2000 corporate training organizations have harnessed our award-winning programs to achieve their career and business goals.



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**Disclaimer:** All programs are offered on a non-credit basis and are not transferable to a degree.