

JAVA COURSE

Course Curriculum: Java Full Stack Development

Module 1: Introduction to Full Stack Development

- Overview of Full Stack Development
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Module 2: Core Java Programming

- Java Basics
 - Object-Oriented Programming in Java
 - Advanced Java Concepts
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Module 3: Front-End Development

- HTML & CSS
 - JavaScript and ES6
 - Front-End Frameworks
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Module 4: Back-End Development with Java

- Java Web Development Basics
 - Spring Framework
 - Spring Security
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Module 5: Database Management

- Relational Databases
 - NoSQL Databases
 - Database Integration
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Module 6: Version Control and Collaboration

- Git and GitHub
- CI/CD Pipelines

Module 7: DevOps and Cloud Deployment

- **Introduction to DevOps**
- **Containerization with Docker**
- **Cloud Services**

Module 8: Testing and Debugging

- **Unit Testing**
- **Integration Testing**
- **Debugging Techniques**

Module 9: Capstone Project

- **Project Planning**
- **Project Development**
- **Testing and Deployment**
- **Presentation and Review**

Module 10: Career Preparation (BONUS)

- **Building a Portfolio**
- **Interview Preparation**
- **Resume and LinkedIn Optimization**