

JAVA SOFTWARE ENGINEERING BOOTCAMP

Complete 2000+ Hour Curriculum

Duration:	2000+ hours (10-12 months)
Format:	Full-time intensive, continuous enrollment
Target:	Complete beginners to job-ready professionals
Updated:	February 2026 (includes Docker, Spring Cloud, AI/LLM)

Program Overview

Code College's Java Software Engineering Bootcamp is a comprehensive 10-12 month intensive program that transforms complete beginners into job-ready enterprise Java developers. The bootcamp combines three industry-leading technology stacks (Python/Django, MERN Stack, and Spring Boot) with cutting-edge skills in microservices architecture, Docker containerization, and AI/LLM integration.

Complete Phase Structure

Phase 1: Web Programming (Months 1-3) - 500 hours

- Module 1: JavaScript & Frontend Development
- Module 2: Git & GitHub Version Control
- Module 3: Python & Django Web Framework

Phase 2: Full-Stack MERN Development (Months 4-5) - 400 hours

- Node.js & Express Backend
- React Frontend Framework
- MongoDB Database & MERN Integration

Phase 3: Java Enterprise Stack (Months 6-12) - 1340+ hours

- PostgreSQL & Database Design (160 hours)
- Java Beginner (160 hours)
- Java Advanced (160 hours)
- Spring Framework Fundamentals (160 hours)
- Spring Cloud & Microservices (160 hours) ■ NEW
- Docker & Containerization (160 hours) ■ NEW
- AWS Cloud Deployment - Optional (40 hours) ■ NEW
- AI/LLM Integration (40 hours) ■ NEW

- Capstone Project (80 hours)

Key Features & Competitive Advantages

Three Technology Stacks: Python/Django, MERN Stack, and Spring Boot Java

Microservices Architecture: Spring Cloud with distributed tracing and resilience patterns

Docker & Containerization: Professional docker-compose skills for modern deployment

AI/LLM Integration ■: OpenAI API, prompt engineering, ChatGPT - 20-40% salary premium

Optional AWS Deployment ■: EC2, RDS, S3, ECS - real cloud experience for advanced students

Hybrid Learning Approach: Free Docker local development + optional AWS cloud deployment

Professional Capstone: 5-microservice e-commerce platform with Docker and AI features

Zero Credit Card Barrier: All core curriculum uses free, open-source tools

Comprehensive Learning Outcomes

Web Development:

- HTML5, CSS3, JavaScript
- Python & Django
- React & Node.js
- MongoDB

Java & Enterprise:

- Object-oriented programming
- Design patterns
- Spring Boot
- Testing

Microservices:

- Service discovery
- Resilience patterns
- Distributed tracing

Docker & Containers:

- Containerization
- Docker Compose
- Container networking

AI/LLM Integration:

- OpenAI API
- Prompt engineering
- ChatGPT capabilities

Cloud Deployment:

- AWS services
- Auto-scaling
- Monitoring

Professional Skills:

- Architecture design
- Documentation
- Team collaboration

Career & Employment Outcomes

Career Paths:

- Full-Stack Developer (MERN or Java)
- Java Software Engineer
- Microservices Developer
- Cloud-Native Java Developer
- AI-Enabled Backend Developer ■
- Full-Stack AI Developer ■

Salary Ranges (Post-Graduation):

Role	Base	With AI	Premium
Backend Developer	\$75-100K	\$100-150K	+\$25-50K
Microservices Dev	\$85-120K	\$115-160K	+\$30-40K
Cloud-Native Dev	\$95-140K	\$130-190K	+\$35-50K
Full-Stack Dev	\$80-110K	\$120-180K	+\$40-70K

Graduates secure employment within weeks at FNB, Standard Bank, Absa, BMW, Checkers/Shoprite, and international organizations.

Learning Locations

Location	Format	Details
Johannesburg	Hybrid	In-person and online classes
Everywhere Else	Live Online	Full online instruction globally

Pricing & Enrollment

Option	Price	Details
Pre-paid	R99,995	Full commitment, best value
Full Price	R119,995	Flexible payment options

Duration: 10-12 months full-time intensive

Format: Continuous enrollment, no breaks between modules

Target: School leavers, grade 12 graduates, career changers

Language: English | **Financing:** Flexible student loan options

Enrollment & Next Steps

1. Review curriculum and pre-requisites
2. Contact Code College for availability and enrollment information
3. Complete application form and provide documentation
4. Start your transformation into a job-ready Java developer!

Contact Code College:

Email: info@codecollege.co.za | Web: www.codecollege.co.za

Johannesburg (Hybrid) | Everywhere Else (Live Online)