

Java & AI Software Engineering Bootcamp

10-12 Mo · 2000+

Code College's most comprehensive program. Master three industry-leading tech stacks — Python/Django, MERN Stack, and Spring Boot Java — alongside Docker, Microservices, and AI/LLM integration. No experience required....

10-12 Mo

Duration

2000+

Hours of Training

R99,995

Pre-paid Price

3 Phases

Web · MERN · Java

JHB + Online

Hybrid & Live Online

CURRICULUM OVERVIEW

What You'll Learn

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

2

Full-Stack MERN Development

Months 4–5 · 400 hours

- › Node.js & Express Backend
- › React Frontend Framework
- › Next.js Full-Stack Framework
- › MongoDB Database & MERN Integration

3

Java Enterprise Stack

Months 6–12 · 1340+ hours

- › PostgreSQL & Database Design
- › Java Beginner & Java Advanced
- › Spring Framework & Spring Boot
- › Spring Cloud & Microservices NEW
- › Docker & Containerization NEW
- › AWS Cloud Deployment (optional) NEW

Format: Full-time (10–12 months) · Part-time (~20 months)

Level: Beginner

Certs: PCEPT™ & MongoDB & Java OCP Aligned

Delivery: Johannesburg (Hybrid) + Live Online

WHAT'S INCLUDED

Everything in This Coding Bootcamp

- ✓ Duration: 10–12 months (2000+ hours) — Phases 1, 2, and 3
- ✓ Format: Full-time intensive, continuous enrollment
- ✓ Delivery: Johannesburg (Hybrid), Everywhere Else (Live Online)
- ✓ Phases: Web Programming · MERN Stack · Java Enterprise Stack
- ✓ New 2026: Spring Cloud, Docker, AI/LLM Integration, optional AWS
- ✓ Includes: All course materials, projects, mentoring, career support
- ✓ Post-graduation: Lifetime access to all course materials
- ✓ Financing: Flexible payment plans and student loans available

INTERNATIONAL CERTIFICATIONS

Certification Alignment

This coding bootcamp aligns to internationally recognised certification exams. Exam fees are **not included** — tuition covers full preparation and mock exams.

CERTIFICATION ALIGNMENT

PCEP™ — Certified Entry-Level Python Programmer

Issuer: Python Institute | Level: Entry-level | Exam: 30 questions · 40 minutes · 70% pass mark

Module 3 of this phase covers all PCEP exam objectives. By the time you complete Python & Django, you will have covered every topic the PCEP exam tests — making it a natural next step to formalise your Python knowledge with an internationally recognised credential.

Issuer:

Level:

Exam:

Variables & Data Types

Control Flow & Loops

Functions & Scope

CERTIFICATION ALIGNMENT

MongoDB Associate Developer Certification

Issuer: MongoDB, Inc. | Level: Associate | Exam: Multiple choice · 75 minutes · Covers Node.js & other languages

The MongoDB module in this phase maps directly to the MongoDB Associate Developer exam objectives. You will learn CRUD operations, aggregation, schema design, indexing, and Mongoose — covering the core competencies MongoDB tests in their developer certification, giving you a clear path to a recognised database credential.

Issuer:

Level:

Exam:

CRUD Operations

Aggregation Pipelines

Schema Design & Modeling

CERTIFICATION ALIGNMENT

Oracle Certified Professional: Java SE 21 Developer (OCP)

Issuer: Oracle | Exam: 1Z0-830 | Level: Professional | Duration: 90 minutes · 50 questions · 68% pass mark

The Java Beginner and Java Advanced modules in Phase 3 are structured around the OCP Java SE 21 exam objectives. From core OOP and generics through streams, lambdas, concurrency, and modules — the curriculum systematically covers every domain the OCP exam assesses, positioning graduates to pursue Oracle's most respected Java credential.

Issuer:

Exam:

Level:

Duration:

OOP & Design Patterns

Generics & Collections

CAREER OUTCOMES

Where This Coding Bootcamp Takes You

Full-Stack Developer (MERN or Java)

Java Software Engineer

Microservices Developer

Cloud-Native Java Developer

✦ AI-Enabled Backend Developer

✦ Full-Stack AI Developer

2026 PRICING

Investment

PRE-PAID — BEST VALUE

R99,995

Save R20,000 vs full price

FULL PRICE

R119,995

Flexible payment options available

Get in Touch

info@codecollege.co.za

+27 (0)10 970 7777

WhatsApp: +27 83 600 2765

codecollege.co.za/coding-bootcamps/java-coding-bootcamp/

Student loans & payment plans available · Group rates on request · EFT & card accepted

FAQS

Frequently Asked Questions

Q Is the bootcamp online or in-person?

Both options are available. Students in Johannesburg attend on a hybrid basis (combination of in-person and online classes at our Woodmead campus). Students everywhere else attend 100% live online with the same instructors, curriculum, and interaction.

Q What kinds of companies hire Code College graduates?

Our graduates secure employment within weeks at leading South African enterprises including FNB, Standard Bank, Absa, BMW, and Checkers/Shoprite, as well as international organisations. The Java, Spring Boot, Docker, and Microservices skills taught here are exactly what enterprise development teams require.

Q Are there financing or payment plan options?

Yes. We offer flexible payment plans and student loan options to ensure cost is not a barrier. Visit codecollege.co.za/student-loans or contact us directly to discuss what works for your situation.

Q Do I need any coding experience to join?

No prior experience is required. The bootcamp is specifically designed for complete beginners — Phase 1 starts from the very basics of programming and builds progressively through all three phases to enterprise Java development.

Q How long does the bootcamp take?

The Java Software Engineering Bootcamp runs for 10–12 months, covering 2000+ hours of training across three phases. It is full-time intensive with continuous enrollment — there are no breaks between phases to maintain momentum and ensure complete knowledge retention.