Forsk Coding School
Powered Learning for Future Success

COURSE BROCHURE / JAIPUR

JAVA

Full Stack Development

Build complete web applications.
From React interfaces to Spring Boot services and relational data.



LEARNING THAT MOVES YOU FORWARD

Build skills.
Put them into practice.

01

TRAIN

Java Full Stack at
Forsk Coding School

02

INTERN

Full-time internship at
Forsk Technologies

03

INTERVIEW

Preparation, feedback
and placement support

FULL-TIME INTERNSHIP WITH

Forsk Technologies
From AI to AGI – We Build What's Next

THE PROGRAMME

Learn the whole stack. Understand every layer.

Connect programming, interfaces, backend services and data through practical assignments and complete applications.

01 / FOUNDATIONS

Think like a developer

Build Java logic, object-oriented thinking and debugging habits you can use across projects.

02 / IMPLEMENTATION

Connect the layers

Bring a React interface together with Spring Boot APIs and a relational database.

03 / PROJECTS

Show what you can build

Develop working features, test the application and explain the choices behind your code.

04 / PROGRESSION

Prepare for opportunity

Move from training to a full-time internship, then company interviews and focused preparation.

WHO THIS PATHWAY IS FOR

Students after 12th • College students • Graduates and freshers
Career switchers • Beginners ready to practise consistently

ROLES TO WORK TOWARDS

Java Developer • Backend Developer • Java Full Stack Developer
Spring Boot Developer • API Developer

12 CONNECTED STAGES

A clear path from foundations to delivery.

Build your technical foundation, connect the full application, then progress into internship and interview preparation.

FOUNDATIONS

01
Programming basics
Logic, syntax and tools

02
Core Java
OOP and Java libraries

03
Advanced Java
Web and robust code

04
Frontend
HTML, CSS, JS, React

ENGINEERING

05
SQL & NoSQL
Database fundamentals

06
Spring & Boot
Layers and configuration

07
REST APIs
HTTP, JSON and validation

08
Hibernate & JPA
Entities and persistence

PROGRESSION

09
Full stack projects
Build a complete app

10
Cloud & deployment
Package, deploy, monitor

11
Full-time internship
Forsk Technologies

12
Career preparation
Interviews and feedback

THE OUTCOME

Build, test and explain a complete application.

Develop a portfolio foundation that connects the interface, APIs and database.

STAGES 01–02

Start with logic.
Build a strong Java core.

Develop the programming habits and language foundations needed to write reliable, understandable Java code.

01 **Language & problem solving**

Syntax, variables, operators, conditions, loops, arrays, strings, methods and input/output.

02 **Object-oriented programming**

Classes, objects, constructors, encapsulation, abstraction, inheritance and polymorphism.

03 **Collections & reliability**

Collections, generics, iterators, exceptions, validation and systematic debugging.

04 **Modern Java practice**

Lambdas, streams, file handling and exercises that turn concepts into working features.

THINK IN OBJECTS

InventoryItem

id
name
quantity

addStock()
reduceStock()
getDetails()

Model the data.
Define the behaviour.
Protect the rules.

PRACTICE PROJECT

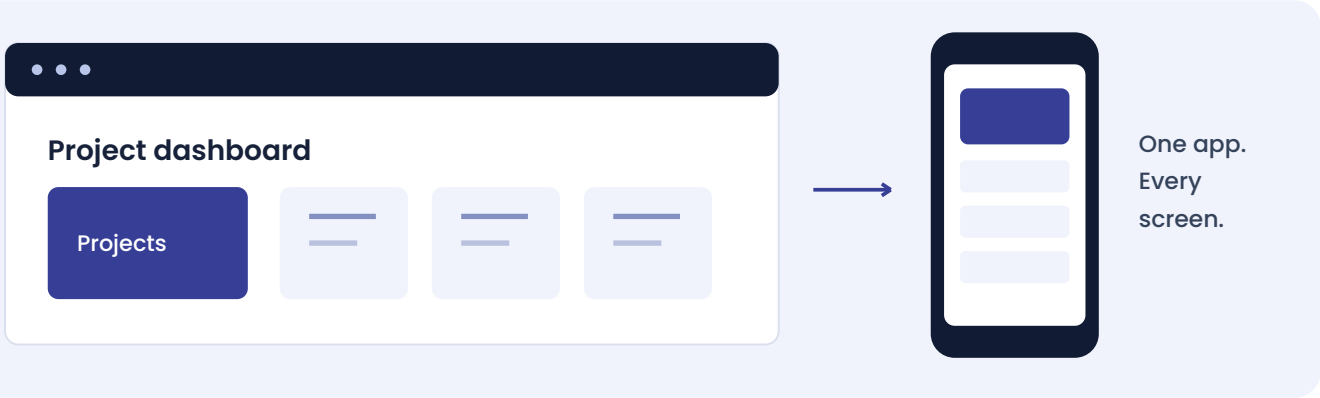
A console-based inventory manager

Add items, track quantities, validate input and save or retrieve records.

STAGE 04

Create interfaces people can use.

Design responsive screens, manage application state and connect the frontend to the Java services behind it.



HTML & CSS

Semantic structure, styling and accessible forms.

Responsive layouts

Responsive CSS, Bootstrap and Tailwind.

Core & Advanced JavaScript

Events, DOM, async patterns and ES6 to ES10.

React, Redux & RTK

Components, hooks and state management with Redux Toolkit (RTK).

Routing & forms

Navigation, validation and user interaction.

API integration

Fetch data, handle loading and show errors.

PRACTICE PROJECT

A responsive dashboard connected to an API

Build a portfolio, booking interface or admin dashboard with real application states.

STAGES 03 + 05

Advanced Java.
Reliable application data.

Connect Java applications to relational data and learn the web, tooling and engineering practices that support the backend.

JAVA ON THE WEB

JDBC, Servlets and JSP

Database connectivity, prepared statements, sessions, cookies, MVC concepts and Maven builds.

RELATIONAL DATABASES

SQL and MySQL

CRUD, keys, relationships, joins, subqueries, indexes, views, normalization and transactions.

ENGINEERING PRACTICE

Code you can maintain

Concurrency, multithreading, design patterns, clean code, Git workflow, testing, debugging and logs.

MODEL THE RELATIONSHIP

Department	1	many	Employee
id · primary key			id · primary key
name			name
			department_id · foreign key

PRACTICE PROJECT

A database-backed employee application

Design related tables, query them safely and keep updates consistent.

STAGES 06–08

Engineer the backend with Spring Boot.

Structure services, expose REST endpoints and persist data with Hibernate and JPA. Learn how the layers work together.

Spring foundations

IoC, dependency injection, beans, configuration and layered MVC architecture.

Spring Boot setup

Project structure, configuration, environments and application startup.

REST API development

HTTP methods, JSON, controllers, validation, exceptions and API testing.

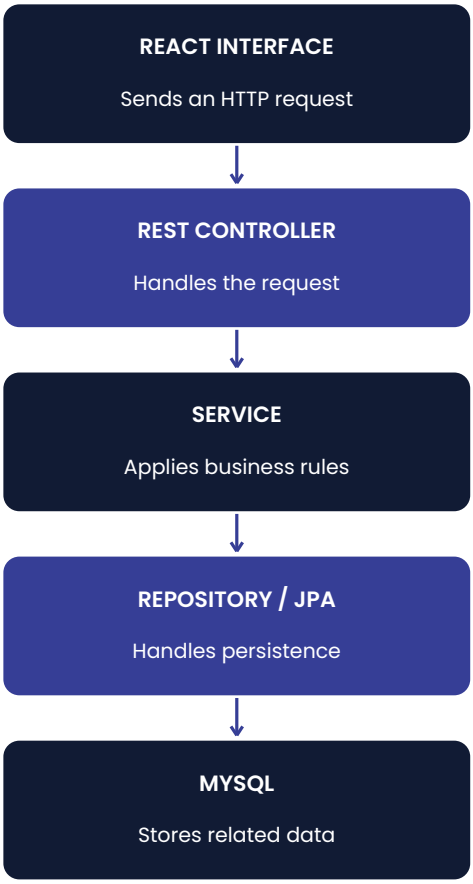
Hibernate & JPA

Entities, relationships, repositories, JPQL and persistence operations.

Security basics

Authentication, authorization, access rules and JWT concepts.

REQUEST TO DATA



PRACTICE PROJECT

A documented REST API with persistent data

Build CRUD endpoints, validate requests, return useful errors and test the flow.

STAGES 09–10

Build something you can demonstrate.

Choose a project scenario and connect the interface, Java services and database into one complete application.

01 E-commerce application

Products, customers, carts and order workflows.

02 Student system or LMS

Learners, courses, enrolments and admin screens.

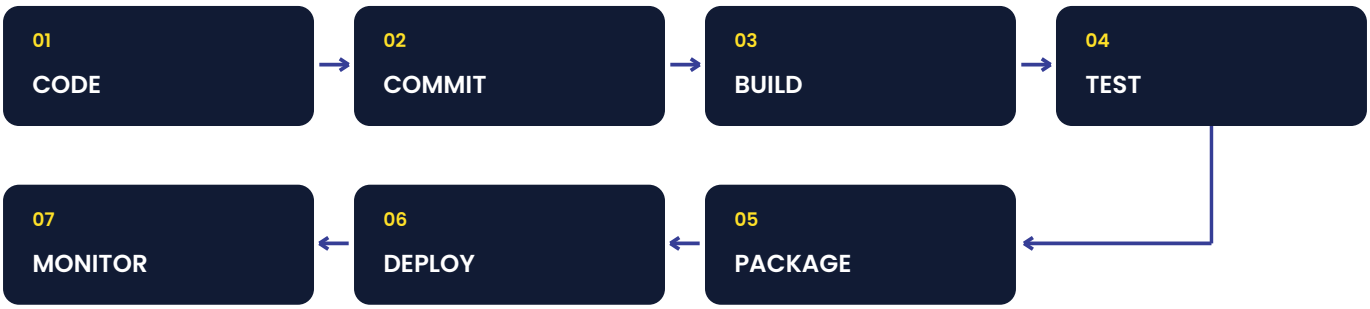
03 CRM or job portal

Records, search, application stages and role-based access.

04 Booking or inventory app

Availability, reservations or stock movements.

FROM CODE TO A RUNNING APPLICATION



Deployment practice: configuration, packaging, cloud hosting, logs and monitoring.

CAPSTONE EVIDENCE

Make your work easy to review.

Include a Git repository, setup guide, API notes, test evidence and a project demo.

MODULE FEES / INDIAN RUPEES

Clear course fees.
Your full stack pathway.

Java backend and frontend training, with complimentary SQL and NoSQL database training in every Full Stack course.

JAVA BACKEND

Core Java	₹6,500
Advanced Java	₹8,000
Spring Boot & Hibernate Java backend frameworks	₹8,000
TOTAL	**₹22,500**

FRONTEND

Web Design HTML, CSS (Bootstrap & Tailwind CSS), Core JavaScript	₹7,500
Advanced JavaScript ES6 to ES10	₹4,000
React + Redux + RTK Redux Toolkit (RTK)	₹8,500
TOTAL	**₹20,000**

JAVA FULL STACK TOTAL

Backend ₹22,500 + Frontend ₹20,000

₹42,500

COMPLIMENTARY WITH EVERY FULL STACK COURSE

SQL: MySQL, PostgreSQL, Oracle

NoSQL: MongoDB, Cassandra, DynamoDB, Elasticsearch, Druid

No separate database training fee.

STAGE 11 / FULL-TIME INTERNSHIP

Learn. Build.
Then put it into practice.

Your journey begins with training at Forsk Coding School and continues with a full-time internship at Forsk Technologies.

01 / TRAINING INSTITUTE

Forsk Coding School
Powered Learning for Future Success

Learn Java Full Stack through structured course content, practical assignments and project work. Build the technical foundation you will carry into your internship.

AFTER TRAINING

02 / FULL-TIME INTERNSHIP

Forsk Technologies
From AI to AGI – We Build What's Next

Apply your learning during a full-time internship at Forsk Technologies. Develop practical experience and prepare to explain your skills and project work in company interviews.

WHAT COMES NEXT

Company preparation and interviews.

Assessment, feedback and focused preparation continue across interview opportunities.

STAGE 12 / CAREER PREPARATION

Prepare. Interview. Improve. Repeat.

Company interviews may be remote or on site. Each round informs the preparation for the next opportunity.

01 / PREPARE

Company-specific preparation

Revise skills, practise questions and explain your project work.

02 / INTERVIEW

Meet the company

Attend the company's interview, remotely or on site.

FEEDBACK INTO PREPARATION

03 / ASSESS

Review the interview

Assess performance, discuss feedback and identify skill gaps.

04 / PREPARE AGAIN

Work on the gaps

Practise the weak areas and prepare for the next company.

When selected: progress through the company's offer and joining process. Selection depends on the employer's requirements and interview outcome.

SUPPORT THROUGH THE PROCESS

Resume & GitHub portfolio • Mock interviews • Project presentations

START YOUR JAVA FULL STACK JOURNEY

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COURSE DETAILS