

ABOUT COURSE

JAVA FULL STACK WITH REACT

Anspro Technologies

BTM Layout

Bengaluru

89044 36512

“Wishing to become a Java Full Stack Developer? Whether you’re in Bangalore or prefer online learning, this course equips you with Core Java, Advanced Java, React.js, and real-time project skills to build a strong career.”

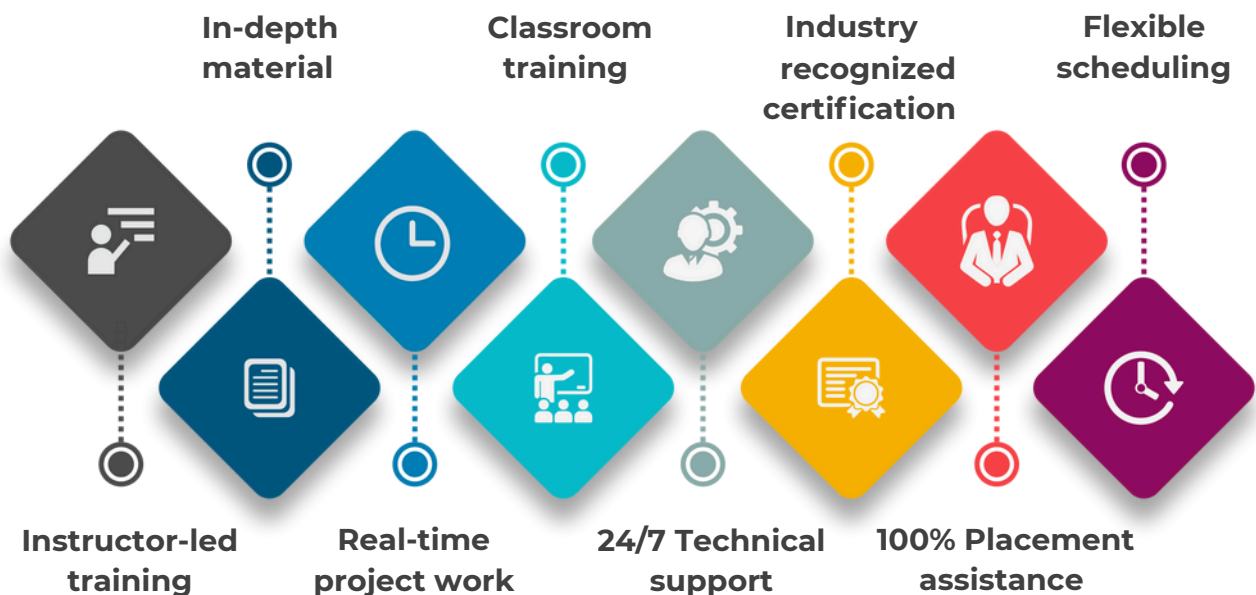


DURATION
150 DAYS



CLASS SIZE
MAX 15
IN ONE BATCH

PROGRAM FEATURES



Java Full Stack with React

Avg CTC

15- 30 lacs

9- 15 lacs

5 - 10lacs

3-6 lacs

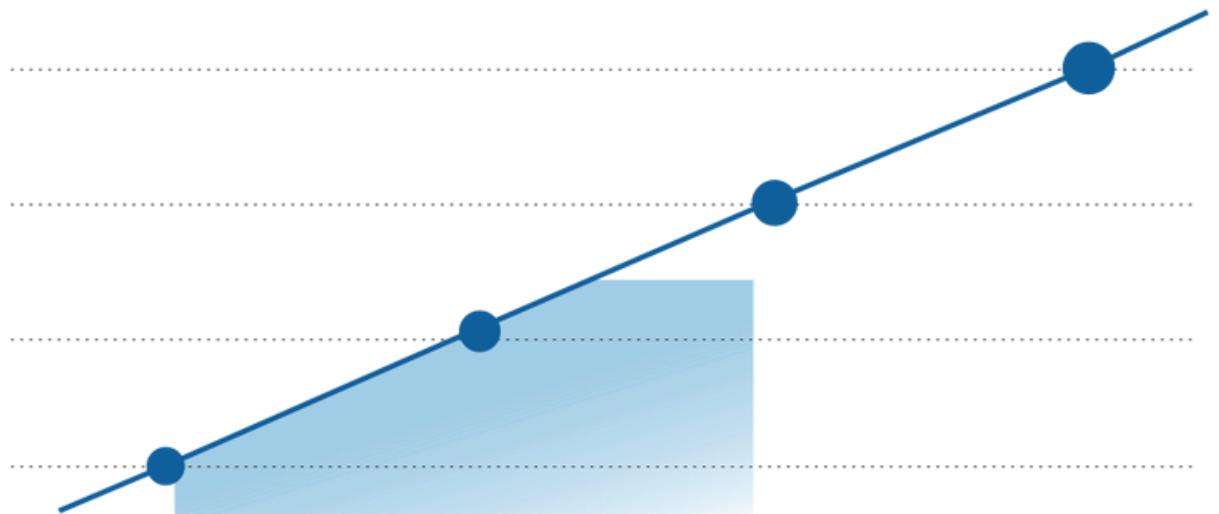
Experience

0 - 1 yrs

1-3 yrs

3-5 yrs

5-10 yrs



WHAT YOU CAN
ACHIEVE
AFTER 5 MONTHS



WHO CAN DO

Java Full Stack with React COURSE

Anyone interested in building web applications – whether a fresher, IT professional, or career switcher – can do this course (online or offline).



**Freshers/
Graduates/Students**



**Job
Seekers**



**Working
Professionals**

OUR LEARNERS WORK AT



COURSE CONTENT

Java Full Stack with React

MODULE : 01

Core Java Foundations

- Java History, Features, Environment Setup (JDK, JRE, JVM)
- Data Types, Variables, Operators, Type Casting
- Control Statements (if, switch, loops)
- Classes, Objects, Methods, Constructors
- Object-Oriented Programming (Abstraction, Encapsulation, Inheritance, Polymorphism)
- Access Specifiers, Static & Final concepts
- Exception Handling (try, catch, throw, throws, finally)
- Strings, Arrays, Enums

MODULE : 02

Advanced Java Concepts

- Packages & Interfaces
- Abstract Classes vs Interfaces
- Inner Classes, Anonymous Classes
- Collection Framework (List, Set, Map, Iterator, Comparable vs Comparator)
- Generics, Stream API (Java 8+)
- Multithreading & Synchronization
- File Handling (I/O, Serialization, Deserialization)
- Lambda Expressions, Functional Interfaces
- Java 8, 11 & 17 New Features (Streams, Optional, Date/Time API, var keyword, records, sealed classes)

MODULE : 03

JDBC & Database Fundamentals

- JDBC Architecture & Drivers
- MySQL Database (DDL, DML, Joins, Aggregate functions)
- CRUD operations with JDBC
- Statement, PreparedStatement, ResultSet
- Stored Procedures & Transactions
- Exception Handling in JDBC
- JDBC Connectivity with MySQL

MODULE : 04

Web Development with Servlets & JSP

- Servlet Basics, Life Cycle (init, service, doGet, doPost, destroy)
- Deployment Descriptor (web.xml), Annotations
- Request & Response handling (HttpServletRequest, HttpServletResponse)
- Servlet & JDBC Integration
- JSP Basics – Scriptlets, Declarations, Expressions
- JSTL (JSP Standard Tag Library)
- Servlet/JSP CRUD Projects (Signup/Signin, Product Management, CRM Project)

MODULE : 05

Frontend Development Fundamentals

- HTML5, CSS3
 - Selectors
 - Positioning
 - Flex/Grid
 - Responsive Design
- JavaScript ES6
 - (Variables, Functions, Loops, Objects, OOP in JS)
- DOM Manipulation, Events
- Bootstrap for UI Components

MODULE : 06

Advanced JavaScript & React.js

- JavaScript ES6+ Features (Arrow Functions, Map/Filter/Reduce, Destructuring, Modules)
- React Basics: Components, JSX, Props, State
- React Hooks (useState, useEffect, useContext)
- Conditional Rendering, Lists & Keys
- Forms & Controlled Components
- React Router for Navigation
- Styling in React (CSS Modules, Styled Components, Bootstrap/Material UI)

MODULE : 07

RESTful APIs & Backend with Spring Boot

- Introduction to REST APIs
- Spring Boot Fundamentals (Annotations, Auto Configuration)
- Spring MVC (Controllers, Services, Repositories)
- CRUD APIs with Spring Boot & MySQL
- Exception Handling & Validation
- Spring Data JPA (Entity Mapping, JPQL, Repository Pattern)

MODULE : 08

Authentication, Security & Deployment

- Authentication & Authorization (Spring Security, JWT)
- Password Hashing (BCrypt)
- OAuth2 (Google/Facebook Login)
- Environment Variables & Configurations
- Hosting React frontend (Netlify, Vercel)
- Deploying Spring Boot backend (Heroku, AWS, Docker)
- Database Hosting (MySQL on AWS RDS / Mongo Atlas if required)

MODULE:09

Capstone Project

- End-to-End Full Stack Project:
- Frontend: React.js UI with routing, forms, API integration
- Backend: Spring Boot REST API with authentication
- Database: MySQL/PostgreSQL
- Features: User Registration/Login, CRUD functionality, Role-based access