

FULL STACK JAVA BROCHURE



About Alocodes

Alocodes is an EdTech initiative by Alomonx Technology, created to provide high-quality coding, AI, and cloud training to students, job-seekers, and professionals. We believe that skills matter more than degrees, and our mission is to deliver industry-level training that prepares learners for real-world jobs.

Program Overview

Our Full Stack Java Development Program offers an in-depth learning experience covering both front-end and back-end technologies using Java. This program equips students with practical skills through hands-on projects, enabling them to build real-world web applications with confidence.

What is Full Stack Java?

Full Stack Java refers to the development of both the front-end (client-side) and back-end (server-side) components of web applications using Java technologies. A Full Stack Java Developer is proficient in the entire development process, from designing user interfaces to managing databases and server-side logic.

Curriculum Overview

◆ Module 1 : Frontend Development

- HTML
- CSS
- JavaScript
- Responsive Website Design

◆ Module 2 : Core Java Programming

- Variables & Data Types
- Loops & Conditions
- Arrays & Strings
- Classes & Objects
- OOP Concepts

◆ Module 3 : Database Management

- MySQL Basics
- SQL Queries
- CRUD Operations
- Database Connectivity

◆ **Module 4: Java Backend Development**

- Servlets
- JSP
- MVC Architecture
- Session Management

◆ **Module 5: Session Management**

- Spring Boot Basics
- REST API
- CRUD Application
- Spring Data JPA

◆ **Module 6: React JS Frontend**

- Components
- Props & State
- Routing
- API Integration

◆ Module 7: Full Stack Project & Deployment

- Full Stack Project
- Git & GitHub
- Project Deployment
- Interview Preparation

Tools, Languages, Platforms

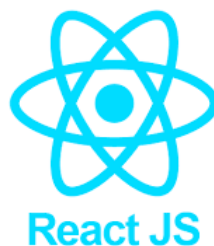
HTML



CSS



JavaScript



Sample Projects

1. E-Commerce Website with User Authentication

- Skills Involved: HTML, CSS, JavaScript, React JS, Java & Spring Boot, REST API Development, MySQL Database, Login & Registration System, Authentication & Authorization.
- Description: Develop a complete online shopping website where users can register, login, browse products, add items to cart, and place orders securely..

2. Online Learning Management System

- Skills Involved: Frontend Development, Backend Development with Java, Database Management, API Integration, User Authentication, File Upload System.
- Description: Create an online platform where students can enroll in courses, watch video lectures, submit assignments, and track their progress.

3. Real-Time Chat Application

- Skills Involved: Java Programming, Spring Boot, WebSocket Technology, React JS, Real-Time Communication, Database Connectivity.
- Description: Build a chat application that allows users to send and receive messages instantly in real time.

4. Hotel Booking and Reservation System

- Skills Involved: Full Stack Development, Database Design, Booking Management, Payment Integration, Form Validation, CRUD Operations.
- Description: Develop a hotel reservation system where users can search rooms, book hotels, manage reservations, and make online payments.

5. Task Management and Collaboration Tool

- Skills Involved: React JS Frontend, Java Backend Development, API Development, Team Collaboration Features, Authentication System, Database Management.
- Description: Create a task management application where teams can create tasks, assign work, track progress, and collaborate efficiently.

Career Opportunities

By completing our Data Science Program, you'll be ready to take on key roles in the industry, including:

- Java Full Stack Developer
- Java Developer
- Frontend Developer
- Backend Developer
- Web Application Developer
- Software Engineer
- API Developer

Hiring Companies:

Our graduates have found opportunities at top companies like:

- Flipkart
- VOIS
- Wipro
- TCS
- Cognizant
- Startups and Fintech Companies

Certificates

This certificate template features the Alocodes logo (Learn. Code. Placed.) and Alomonx logo at the top. The main heading is "CERTIFICATE OF COURSE COMPLETION". The text reads: "This is to certify that [Recipient Name] has successfully completed the [Course Name] course at Alocodes from [Start Date] to [End Date]. During this period, they demonstrated dedication, consistency, and a strong commitment to learning and skill development". It includes an "Authorized Signatory Academic Head" field, ISO 9001:2015 and MSME logos, and a "CERTIFICATE ID : AL/26/712358424563" at the bottom.

This certificate template features the Alocodes logo (Learn. Code. Placed.) and Alomonx logo at the top. The main heading is "CERTIFICATE OF INTERNSHIP COMPLETION". The text reads: "This is to certify that [Recipient Name] has successfully completed the internship as a [Role] at Alomonx Technology from [Start Date] to [End Date]. During this period, they demonstrated dedication, professionalism, and strong technical skills." It includes an "Authorized Signatory Academic Head" field, ISO 9001:2015 and MSME logos, and a "CERTIFICATE ID : AL/26/712358424563" at the bottom.

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your career to the next level?

Contact us to learn more about our courses, flexible payment plans, and how we can help you achieve your career goals.

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