

ARYAN RAJ

Java Backend Engineer

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Career Objective

Aspiring **Java Backend and Full Stack Engineer** with a strong foundation in **Spring Boot-based backend development**, secure RESTful APIs, and scalable system design. Experienced in developing enterprise-grade applications with **JWT and OAuth2 based authentication, role-based access control**, and cloud deployments on AWS. Skilled in integrating modern frontend using React (TypeScript) while prioritizing backend-first architecture and clean, modular code.

Technical Skills

Languages	Java, Python, JavaScript, TypeScript, SQL
Backend	Spring Boot, Spring MVC, Spring Data JPA, REST API Design, JWT, RBAC, Maven
Frontend	React (JS/TS), HTML5, CSS3, Tailwind CSS
Databases	PostgreSQL (Relational Design, Indexing), MongoDB
Cloud & DevOps	AWS EC2, AWS RDS, Docker
Fundamentals	OOP, Data Structures, MVC Architecture, System Design, CRUD Operations
Tools	Git, GitHub, Postman, IntelliJ IDEA, VS Code

Featured Projects

Syncora — Real-Time Team Collaboration Platform

Spring Boot | React (TypeScript) | PostgreSQL | Ably Realtime | Zegocloud

- Architected real-time collaboration platform supporting chat, voice, and video communication with layered backend architecture ensuring maintainability and scalability.
- Developed RESTful APIs for authentication, workspace management, messaging, and user presence tracking with secure JWT and OAuth2-based authentication and role-based access control.
- Integrated Ably Realtime for low-latency, event-driven messaging across distributed clients.
- Implemented video communication using Zegocloud, managing signaling and session lifecycle.
- Applied clean code principles and modular design patterns for future extensibility.

HRMS — Human Resource Management System

Spring Boot | React (TypeScript) | PostgreSQL | JWT | Spring Security

- Designed enterprise-style HRMS to automate core HR operations following layered architecture (Controller–Service–Repository).
- Implemented JWT-based authentication and role-based access control (RBAC) for Admin, HR, and Employee roles.
- Developed RESTful APIs for employee management, attendance tracking, and leave request workflows.
- Designed normalized PostgreSQL schemas with JPA relationships ensuring data integrity.
- Applied DTO-based request/response handling and centralized exception management for clean API contracts.
- Emphasized scalability, security, and real-world HR process modeling.

CIVIGUARD — Crime Reporting & Case Management System

Spring Boot | PostgreSQL | Google Maps

- Engineered backend system for digital crime reporting with administrative case tracking workflows.
- Designed REST APIs supporting report submission, validation, and status tracking.
- Created normalized PostgreSQL schemas ensuring data integrity and efficient query performance.
- Includes Map Based Location, With vehicle Tracking, Officers Location, Patrolling Routes.
- Emphasized secure data handling, clean API contracts, and production-ready reliability.

Professional Experience

Java Development Intern — Coding Raja Technologies May 2024 – June 2024

- Developed 3+ Java GUI desktop applications using Swing/JavaFX frameworks, implementing MVC architecture and event-driven programming for responsive user interfaces.
- Designed interactive UI components including forms, tables, and custom dialogs with database integration (JDBC) for CRUD operations and real-time data visualization.
- Collaborated with 5-member remote team using Git workflows for version control, participating in 15+ code reviews, daily standups, and agile sprint planning sessions.

Education

Bachelor of Technology — Artificial Intelligence & Machine Learning
Jai Narain College of Technology, Bhopal (RGPV University) 2022 – 2026
CGPA: 7.30

Certifications

Core Java	Java Spring Boot Basics
Spring MVC	Java Development Internship
AWS Academy Graduate — Cloud Foundations	AWS Academy Graduate — Machine Learning

All Certifications

Career Interests

Java Backend Engineering | Full Stack Development | Cloud-Native Systems | Scalable API Design
Secure Backend Architectures