

ROHAN RANA

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Professional Summary

Java Backend Developer with 2+ years of experience building scalable, production-grade systems using Java, Spring Boot, and REST APIs. Strong in Data Structures & Algorithms with a focus on designing efficient, high-performance backend solutions.

Skills

- **Core Skills:** Data Structures & Algorithms, Object-Oriented Programming (OOP), DBMS, System Design Fundamentals
- **Languages:** Java, SQL, JavaScript, C++, HTML, CSS
- **Backend Technologies:** Spring Boot, Spring Security, Spring Cloud, Hibernate, JPA, REST APIs, Microservices, OpenAPI/Swagger
- **Cloud & DevOps:** AWS (S3, Athena, CloudWatch), Docker, Jenkins, CI/CD Pipelines, Apache Kafka
- **Tools & Monitoring:** Git, GitHub, Postman, IntelliJ IDEA, Eclipse, VS Code, CloudWatch Log Analysis, Production Support

Experience

Software Engineer - Tata Consultancy Services

Bangalore, India | Jan 2024 – Present

- Developed and enhanced Spring Boot microservices for internal banking systems, handling 40K+ daily API requests for a leading global investment bank (JPMC client).
- Integrated **Spring Security** with **JWT authentication** to secure service endpoints and internal API communication.
- Improved MySQL performance by applying indexing strategies and optimizing Spring Data JPA mappings, improve API response time by ~30% and reducing database load.
- Used **Git**, **Jenkins CI/CD pipelines**, **Postman**, and internal monitoring tools for deployment support and API validation.
- Leveraged GitHub Copilot and AI coding agents to accelerate bug resolution, code refactoring, and unit test creation.
- Participated in Agile sprint ceremonies, code reviews, defect fixing, and production support activities.

Software Engineer Intern - Vishanka Technologies

Remote | May 2023 – Jul 2023

- Developed responsive frontend components using **React** functional components and **Hooks**.
- Integrated UI with backend REST APIs for data rendering and form submissions.
- Fixed UI bugs and improved application responsiveness and usability
- Used Git and GitHub for version control and collaborative development.

Projects

Banking Microservices Platform

[Github](#)

- Developed multiple **Spring Boot microservices** following domain-driven architecture principles.
- Implemented service discovery using **Eureka Server** to enable dynamic inter-service communication.
- Configured **Spring Cloud Config Server** for centralized configuration management across services.
- Built API Gateway for request routing and handling cross-cutting concerns.
- Integrated **Spring Security** with **JWT-based authentication** for securing microservice endpoints.
- **Dockerized** microservices to enable container-based deployment and environment consistency.

Online Exam Portal

[Github](#)

- Developed RESTful APIs using Spring Boot for exam creation, test management, and result processing.
- Designed admin features for user management and role assignment.
- Enabled result generation and PDF download functionality for students
- Integrated backend APIs with frontend UI and optimized database operations using JPA.

Education

GB Pant Institute of Engineering and Technology (2019 – 2023)

- Bachelor of Technology (B.Tech) – Computer Science and Engineering (CGPA: 7.6)