**Krishna Kumar Raut**

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LinkedIn | GitHub | Portfolio | LeetCode

## Summary

Detail-oriented Java Backend Developer with 1 year of experience building scalable microservices and RESTful APIs using Spring Boot. Skilled in optimizing backend performance, writing robust unit/integration tests, and deploying production-grade services. Proficient with Docker, JWT authentication, and CI/CD workflows. Passionate about backend architecture and delivering high-impact solutions, seeking to contribute to engineering teams at Amazon or Microsoft.

## Technical Skills

Languages: Java, C++, Python, JavaScript, MySQL

Frameworks & Tools: Spring Boot, Spring MVC, Spring Data JPA, JUnit, Mockito

DevOps & Tools: Docker, Git, GitHub, Redis, CI/CD

Concepts: RESTful API Design, Microservices, OOP, SQL Optimization, Authentication & Authorization

## Experience

**Epam Systems – Java Backend Developer**

July 2024 – Present

Tech Stack: Java, Spring Boot, Spring Security, Redis, MySQL, JUnit, Docker

* Developed and maintained 10+ RESTful APIs, enabling seamless communication between frontend and backend services.
* Improved backend performance, reducing API response times by 30% via query optimization and Redis caching.
* Wrote 100+ unit and integration tests, achieving 90% code coverage with JUnit and Mockito.
* Implemented secure JWT-based authentication supporting 400+ users with role-based access.
* Utilized Docker and CI/CD pipelines for automated builds and deployments.

## Projects

**Recipe Management System**

Spring Boot, Spring Security, API Gateway, Microservices

* Built a microservices-based application for 500+ users managing 1,000+ recipes.
* Processed 10,000+ daily requests via API Gateway with centralized authentication and load balancing.
* Implemented Spring Security for role-based access; ensured modularity and scalability.

**Municipality Management System**

HTML, CSS, JS, PHP, MySQL

* Created a record management system managing 5,000+ municipal entries.
* Designed UI and integrated backend using PHP and MySQL for efficient data operations.
* Praised by local authorities for usability and civic impact.

## Education

**Vellore Institute of Technology, India**

B.Tech in Computer Science and Engineering (Dec 2020 – July 2024)

CGPA: 8.42 / 10

**National Infotech Secondary School, Nepal**

Higher Secondary - PCM (Apr 2018 – July 2020)

CGPA: 3.64 / 4

## Certifications & Awards

* Full Scholarship Awardee, Indian Embassy – B.Tech at VIT
* Microsoft Engage Program – Selected Mentee
* 2★ on CodeChef, 5★ (C++) on HackerRank, 500+ LeetCode problems solved