

Varun Rawat

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PROFILE

Backend Engineer with 2.7+ years specializing in Spring Boot microservices and Java development. Expert in building robust APIs with Spring Security, implementing distributed systems with Eureka, and optimizing data access with Spring Data JPA.

SKILLS

Frameworks:

Spring Boot,
SpringCloud, Spring
Security, JUnit

Tools:

Git, Docker, Kafka, Redis

Languages

Java, C++, JavaScript

Databases

MySQL, Hibernate/JPA

PROFESSIONAL EXPERIENCE

HCLTech

Backend Developer

2024 – Present

- Reduced processing latency by 30% by improving Kafka thread management and message handling in Spring Boot.
- Improved **API** performance by optimizing Spring Boot backend processes and data handling.
- Implemented **JWT** authentication with Spring Security for all APIs
- Reached **90% test coverage** using JUnit/Mockito, catching **30%** more bugs
- Increased system resilience with Spring Cloud and **Eureka service discovery**
- Automated API docs with Swagger, cutting integration time by **25%**
- Streamlined MySQL access using Spring **Data JPA**, reducing repetitive code

CDN Project

11/2022 – 2023

- Implemented URL validation compliant with **DSCconfig** standards, rejecting **15%** of invalid requests
- Reduced redundant API calls by **25%** through **Collapser Service** integration
- Improved data retrieval speeds by **20%** by implementing **cache-first logic**
- Enhanced data reliability with **validation** checks, decreasing rendering errors by **30%**

PROJECTS

E - Wallet, Digital Wallet Platform (Spring Boot, Kafka, JWT)

- **Backend:** Microservices with Spring Boot, auto-creating wallets on registration
- **Security:** JWT-based authentication & authorization across all services
- **Real-Time Processing:** Event-driven architecture using Apache Kafka for fund transfers
- **Service Management:** Eureka for service discovery + API Gateway for routing
- **Documentation:** Automated API specs with Swagger for faster integration
- **Notifications:** Real-time email alerts for transaction status updates

LibApp, Library Management Application (Java, SpringBoot, Spring Security, Redis, JPA-Hibernate)

- **Core Features:** Book management, student registration, issuance/returns, and automated fine calculation
- **Access Control:** Role-based (RBAC) for admins to manage books and user details
- **Security:** Spring Security with user authentication for secure access
- **Performance:** Redis caching to reduce database queries

CERTIFICATES

- Java Programming
- Master in Spring Boot Development
- Master in Microservices with Spring Cloud
- Google Cloud Certified Associate Cloud Engineer

EDUCATION

HMR Institute of Technology & Management,
BACHELOR OF TECHNOLOGY

2018 – 2022

KV AGCR Colony, 12th

2018