

Uttam Kumar

Java Backend Engineer | Spring Boot | Microservices | REST APIs

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Professional Summary

Java Backend Engineer with 4.5+ years of experience building scalable backend services, enterprise integrations, and workflow automation systems using Java, Spring Boot, REST APIs, Microservices, and MySQL. Delivered backend improvements including 70% reduction in manual integration effort, 90% reduction in manual workflows, and 30% improvement in API response time. Strong in API design, reusable adapters, validation, exception handling, logging, debugging, and production-facing backend development.

Technical Skills

- **Languages:** Java, SQL, JavaScript
- **Backend & Frameworks:** Spring Boot, Spring MVC, REST APIs, Microservices, Hibernate/JPA, Spring Security, JWT
- **Databases:** MySQL, Database Schema Design, Query Optimization
- **DevOps & Tools:** Docker, Git, GitHub, GitHub Actions, Maven, Postman, IntelliJ IDEA, JIRA
- **Architecture & Concepts:** System Design, Low-Level Design, High-Level Design, API Design, Multi-Tenant SaaS, Schema-Based Tenant Isolation, Modular Architecture, Logging, Debugging, Performance Optimization

Work Experience

Software Engineer - R&D - Development

Sep 2023 – Present

Verint Bengaluru, India

- Designed and implemented Java/Spring Boot integration services for enterprise systems, improving interoperability and reducing manual operational dependency.
- Built reusable adapter components for client integrations, reducing manual integration effort by 70% and accelerating onboarding for similar use cases.
- Developed modular backend service flows and generic adapter logic, improving development efficiency by 50% across integration-heavy scenarios.
- Optimized REST API and service-layer logic, reducing response time by 30% while improving reliability of backend workflows.
- Strengthened validation, exception handling, logging, and debugging mechanisms to improve data consistency and production issue resolution.
- **Tech Stack:** Java, Spring Boot, REST APIs, Microservices, Git, Maven, Postman, IntelliJ IDEA

Software Engineer (Backend)

Dec 2021 – Sep 2023

Digit Insurance Bengaluru, India

- Developed and optimized Java/Spring Boot REST APIs for insurance backend workflows, reducing manual business processes by 90%.
- Designed PDF generation and Email/SMS notification modules, improving document processing speed and customer communication efficiency.
- Optimized MySQL schema and backend data access patterns to improve performance, scalability, and maintainability of core services.
- Integrated backend APIs with customer-facing systems, streamlining policy issuance flow and reducing manual processing dependency.
- Refactored validation, exception handling, API structure, and code organization to improve reliability, maintainability, and future feature extension.
- **Tech Stack:** Java, Spring Boot, MySQL, REST APIs, Git, Maven, JIRA

Projects

CloudCampus - Multi-Tenant Digital School SaaS

GitHub: github.com/uttamkumar37/CloudCampus

- Designed a multi-tenant SaaS backend architecture using Java and Spring Boot with schema-based tenant isolation for school-specific data separation.
- Implemented Spring Security and JWT-based authentication to secure access across tenant-specific school contexts.
- Built REST APIs for lectures, classes, events, user management, and school administration workflows.
- Containerized backend services with Docker and configured GitHub Actions based CI/CD to improve deployment readiness.
- Documented architecture, database schema, API structure, and onboarding steps to make the project production-review friendly.
- **Tech Stack:** Java, Spring Boot, Spring Security, JWT, REST APIs, Microservices, Docker, GitHub Actions

Education

Scaler Neovarsity

MS in Computer Science

Expected 2026

IIT Guwahati

B.Tech in Electronics and Communication Engineering

2020