

Vitul Gupta Backend Engineer

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SKILLS

- **Programming Languages** : Java
- **Libraries and Frameworks** : Spring Boot, Spring MVC, Hibernate, Apache Kafka and Zookeeper
- **Tools** : MySQL, Git, Maven, Postman, Docker , Redis
- **Other Skills** : Data Structure and Algorithms, Microservices, RESTful APIs, System Design

EXPERIENCE

System Engineer

Sep 2021 - Dec 2023

Infosys

Bangalore

- Developed and optimized **scalable RESTful APIs** for **client ITD** using **Java/J2EE, Spring Boot, and Hibernate**, improving system performance and scalability.
- Collaborated cross-functionally with **QA, Product, and DevOps teams** to ensure **timely, high-quality releases** while adhering to project timelines.
- Managed and maintained **multiple environments** (SIT, UAT, Production), reducing **deployment downtime** and ensuring seamless software rollouts.
- **Reduced production bugs by ~45%** (from ~10% to ~5-6%) by implementing efficient **debugging, release strategies**, and robust **code reviews**.
- Utilized **Jira and Confluence** for **agile project management**, sprint planning, and detailed documentation.
- **Tech Stack**: Java, Spring Boot, Hibernate, MySQL, Jira, Confluence

PROJECTS

E-Commerce Application | Java, Spring Boot, Hibernate, MySQL, JWT Security, Microservices

<https://github.com/VitulG/Projects/tree/ekart>

- **Designed and developed** a robust e-commerce platform, enabling a **scalable shopping experience**.
- **Built 10+ modules** with **15+ APIs**, providing **full CRUD functionality** for products, orders, and user management.
- **Implemented JWT-based authentication and authorization**, securing user/admin access and sensitive data.
- **Improved backend queries, reducing average API response time by 62.5%** (from 800ms to 300ms).
- **Achieved 82%+ code coverage** via unit tests, enhancing code reliability and maintainability.

Railway Management System | Java, Spring Boot, Hibernate, Redis, Kafka, Zookeeper, JWT, Mail Service

<https://github.com/VitulG/Projects/tree/irctc>

- **Engineered** scalable **RESTful APIs** using **Spring Boot** for a comprehensive railway reservation system.
- **Utilized JPA and Hibernate to manage complex ORM relationships** (One-to-Many, Many-to-One, One-to-One), ensuring **data consistency and integrity**.
- **Enhanced API response time by ~70%** (from 327ms to ~60ms) through **Redis caching**, indexing strategies, and query optimizations.
- **Integrated Kafka with Zookeeper** to enable **real-time event-driven processing** for notifications.
- **Created 20+ backend endpoints** with **robust error handling** and **input validation**, ensuring reliability.

ACHIEVEMENTS

- LeetCode: Ranked in the top 49% globally (325,607 out of 665,758 participants) with a contest rating of 1,482.
- Leadership & Innovation: Led a team to present innovative solutions for environmental awareness.

EDUCATION

Scaler

2025

Specialized in Software Development & Problem Solving

Coursework: Data structures and Algorithms, Low-Level Design, High-Level Design, Java Backend, MySQL

UPTU

2020

MCA | 8.2 CGPA