

## Skills

- Java, Python, Spring Boot, MySQL, PostgreSQL, SQL, Git, REST API, Docker, Kafka, Microservices

## Experience

### Software Developer

Mar 2025 - Present

#### Optel Group

- Developed robust Python connectors using internal frameworks, integrating multiple data sources for enterprise serialization systems and ensuring reliable data flow for critical business operations
- Implemented comprehensive testing suites including unit and integration tests, achieving 99% system reliability and significantly reducing production bugs
- Led root cause analysis and resolution of high-priority production issues, minimizing customer impact and contributing to long-term fixes
- Refactored legacy framework code to reduce technical debt by 25%, accelerating the release cycle for critical client features by 15%.
- Collaborated with development teams using Git version control and participated in code review processes, contributing to improved code quality and team knowledge sharing

### Software Configuration Engineer

Apr 2021 - Feb 2025

#### Optel Group

- Designed and configured track-and-trace systems using XML and Python for pharmaceutical clients
- Configured and tested systems, providing support throughout all stages of the project life cycle, reducing support calls by 80%

## Projects

### E-Commerce

<https://lnk.bio/kaustubh43>

- Architected a Microservices based E-Commerce Platform with functionalities like Login, Authorization, Product Catalog, Payment Gateway Integration, Service Discovery, Notification Service.
- Deployed whole Ecosystem on AWS Elastic Beanstalk leveraging RDS for Data Persistence, CloudWatch for efficient Logging and Monitoring
- Implemented an event driven Email notification service using Kafka, successfully decoupling microservices and processing simulated bursts of 10,000+ messages/minute with no data loss.
- Implemented sorting, filtering and paging to allow for efficient discovery of products.
- Optimized product catalog API endpoints, reducing response times from 500ms to 20ms under simulated load by implementing a Redis caching layer for static data.
- Tools and Frameworks Used: Spring Boot, Spring Cloud, MySQL, Hibernate, Redis, Razorpay Payment Gateway, Stripe Payment Gateway, JUnit, Kafka.

### Splitwise Clone

<https://github.com/kaustubh43/Splitwise>

- Built backend for expense splitting application with REST APIs for User management, Expense Tracking, and Settlement calculations using Java Spring Boot and MySQL database.
- Implemented algorithm for optimization of debts in a group for multiple users using Priority Queues, reducing transactions.
- Tools and Frameworks: Java, Spring Boot, MySQL

## Education

Woolf University  
MS

2026

Goa University  
BE/B.Tech/BS

2020