

Deeparishi A

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Professional Summary

Backend Developer with 1.7 years of experience building REST APIs, microservices, and working with messaging tools like Kafka. Hands-on with Spring Boot, SQL/NoSQL databases, and basic cloud deployment, while collaborating in Agile environments. Interested in learning more about System Design, Scalable Backend systems and exploring automation through AI tools, AI Agents, and MCP.

Technical Skills

Languages: Java 17, SQL

Backend: Spring Boot, Spring MVC, Spring Security, REST APIs, Hibernate/JPA, Microservices

Databases & Messaging: MySQL, MongoDB, Redis, RabbitMQ, Apache Kafka

Frontend & Tools: React (TypeScript, API Integration), Maven, Gradle, Docker

Cloud & DevOps: AWS (EC2, RDS, S3), Azure AD, Git, CI/CD (Basic), Linux (Basic)

Testing & Quality: JUnit, Mockito, SonarQube, JMeter

Experience

Jr Software Engineer, HEPL (CavinKare Groups)

May 2024 – Present

Project: FinTech

- Optimized a legacy API using **in-memory aggregation** and **multi-threaded batch processing**, reducing execution time from **45 min to under <5 sec** while preserving complete **data integrity**.
- Integrated **20+ lender partner APIs** with **fault-tolerant** design with retries and fallback logic, improving API success rate by **15–18%**.
- Contributed to APIs that automated applicant-to-lender workflows, reducing manual operations by **35–40%**.
- Strengthened code quality using **SonarQube**, **JUnit**, and effective **debugging techniques** to identify and fix bugs, reducing **production problems**.
- Implemented **CIBIL API integration** and secured sensitive data with **AES-256 encryption**, reducing compliance-related risks by **30%**.

Project - Trove

- Built **RESTful APIs** and **microservices** that improved stability and optimized JSON structure by **30%**.
- Implemented **authentication and authorization** flows using **Spring Security**, **SSO**, **OTP**, **OAuth2**, **JWT**, improving login reliability by **30%**.
- Contributed to **FFmpeg-Kafka** service to generate **multi-resolution media outputs**, reducing buffering latency by **50%** and integrating storage with **AWS S3**.
- Added **real-time messaging** using **WebSockets** and **Redis**, cutting unnecessary DB queries by **25%** and improving concurrent user responsiveness.

Projects

Order My Meal ([GitHub](#))

- Built a small **microservices** based project to understand concepts like **API Gateway**, **Eureka**, **Config Server**, and basic service communication.
- Implemented a basic **Kafka + Redis** setup to handle order updates and understand event-driven workflows.
- Added simple **Prometheus/Grafana** monitoring and **Dockerized** the services to explore observability and container-based deployments.

Education

Vel Tech Multi Tech DR RR DR SR Engineering College

Aug 2019 – May 2023

BE - Mechanical Engineering | CGPA: 8.17/10

Certifications

DSA with Java – Udemy ([Certificate](#))

Jun 2025

SDE Assessment – HackerRank ([Certificate](#))

Oct 2024

Java with SQL – Besant Technologies ([Certificate](#))

Dec 2023