

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