

# Deeparishi A

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## Professional Summary

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**Backend Developer** with 1.8 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

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**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

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**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

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### Order My Meal ([GitHub](#))

- Built a small **microservices** based project to understand concepts like **API Gateway**, **Eureka**, **Config Server** and **async 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

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**Vel Tech Multi Tech DR RR DR SR Engineering College**

**Aug 2019 – May 2023**

BE - Mechanical Engineering | CGPA: 8.17/10

## Certifications

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

**Jun 2025**

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

**Oct 2024**

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

**Dec 2023**