

PROFESSIONAL SUMMARY

Java Developer with 2 years of experience building **scalable backend systems** and **distributed microservices** using **Java, Spring Boot, Kafka, and Redis**. Experienced in designing **high-performance REST APIs, event-driven architectures, and optimizing system performance for enterprise applications**.

TECHNICAL SKILLS

- **Languages:** Java, C++
- **Backend:** Spring Boot, Spring MVC, Hibernate, REST APIs, Microservices
- **Security:** Spring Security, OAuth2, JWT Authentication
- **Distributed Systems:** Apache Kafka, Event-Driven Architecture
- **Caching:** Redis
- **Databases:** Oracle, MySQL
- **Cloud & Microservices Infrastructure:** Spring Cloud, API Gateway, Service Discovery (Eureka), Centralized Configuration
- **DevOps & Tools:** Docker, Maven, Git, Postman
- **Architecture & Design:** SOLID Principles, DTO Pattern, Repository Pattern, Global Exception Handling
- **Web Technologies:** JavaScript, HTML, CSS, Bootstrap

PROFESSIONAL EXPERIENCE

Software Engineer | Nucleus Software Exports Limited | Jan 2023 – Jan 2025

- Engineered secure **RESTful APIs** using Java, **Spring Boot**, and **Hibernate** to support enterprise banking workflows and improve service response performance.
- Implemented API security using **OAuth2 and JWT** authentication with **Spring Security**, enforcing secure access control for enterprise services.
- Optimized Oracle **SQL queries** and **improved database schema design** to improve transactional performance and reduce backend processing latency.
- Conducted **Root Cause Analysis (RCA)** and implemented engineering fixes that **reduced QCT issues by 20%** compared to the previous release.
- Improved development workflow and defect tracking processes, **reducing project blockers by 25%** and increasing **early defect detection by 20%**.
- Proposed engineering improvements that **reduced development effort by 15% in engineering hours**, accelerating feature delivery timelines.
- Collaborated in code reviews and technical discussions to maintain high code quality and ensure adherence to backend architecture standards.

PROJECTS

Distributed Food Delivery Platform — Event-Driven Microservices Architecture

Independent Engineering Project | 2025 – Present

Tech Stack: Java 17 | Spring Boot | Spring Cloud | Kafka | Redis | Docker | Oracle

- Architected a **distributed microservices backend** using Java, Spring Boot, and Spring Cloud with **7 independent services** (User, Restaurant, Cart, Order, Payment, Delivery, Notification).
- Designed **event-driven architecture** using **Apache Kafka** to handle order lifecycle events, enabling asynchronous communication between services.
- Implemented **Redis caching** and **cart service** to optimize high-frequency operations and reduce database load.
- Built **real-time delivery tracking** using **WebSockets** and **Redis pub/sub**, supporting low-latency location updates.
- Implemented **API Gateway + Service Discovery (Eureka)** to enable centralized routing and dynamic service registration.
- Secured APIs using **Spring Security with JWT authentication and role-based authorization**.
- Applied **DTO pattern, MapStruct mapping, global exception handling, and standardized API responses** to design production-ready APIs.
- Containerized microservices using **Docker** for environment consistency and scalable deployment.

EDUCATION

- **B.Tech. (Information Technology)** | Chameli Devi Group of Institutions, Indore, India | 2023