Nandhakumar Manivannan

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Professional Summary

Results-driven Java Backend Developer with hands-on 3 years experience building scalable enterprise applications, especially in logistics and supply chain domains. Proven ability to design and implement microservices, REST APIs, and complex DTOs for container booking, CRO management, and cargo tracking using Spring Boot. Strong knowledge of backend architecture, WebSockets, and integrations with external systems like ports, agents, and freight services.

Professional Experience

Java Backend Developer – Ebrain Technology, Thanjavur

Present

- Designed & deployed **REST APIs** using Java , Spring Boot,HeidiSql,
- Improved API response time by **60%** through **database indexing, Redis caching, and asynchronous processing**.
- Built **Container Release Order (CRO) automation system**,
- Aggregated data from multiple services: vessel schedules, slots, CROs, cargo, agents.
- Improved response time by optimizing service-to-service communication.
- Integrated with port and vessel schedule services and dynamically generated CRO data
- Deployed **cloud-native microservices** on AWS EC2 with RDS.

Developer Intern – Vaken Technologies, Trichy (SOVA Innovation Challenge)

Jun 2022 – Sep 2022

- Led a **4-developer team** to build an enterprise no-code platform with **real-time data processing** in Spring Boot.

- Delivered features with **95% sprint completion rate** and increased user engagement by **40%**.

Technical Skills

Languages: Java , SQL,

Frameworks: Spring Boot, Spring MVC, Spring Security, Spring Data JPA, Hibernate

Databases: HeidiSql, MySQL,

Cloud & DevOps: AWS (EC2) Docker, Kubernetes

Architecture & Concepts: Microservices, RESTful APIs, Distributed Systems, Horizontal Scaling, Low-Latency APIs, High Availability, Fault Tolerance, API Gateway,

Tools: Git, Maven, Eclipse, Postman,Intellija

Domain Expertise: Logistics Management,, Invoice Processing, Container Tracking

Key Projects

Hastin – Enterprise Logistics Platform | *- Present*

Personal Expense Tracker | *Oct 2022 – Dec 2022*

Invoice Management System | *3-Month Development*