Vatsal Varma

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Summary

Full Stack Java Developer with expertise in Java, Spring Boot, React.js, and modern web technologies. Intern at Kodnest gained hands-on experience and Skilled in Spring Boot RESTful APIs, SQL & MongoDB. Backend-focused **Java Developer** with experience in **Spring Boot, Microservices Architecture, RESTful APIs, and SQL databases**. Proven ability to design **production-style backend systems** using **Eureka Service Discovery, API Gateway, Spring Security, and Spring AI**. Strong understanding of **scalable system design, clean architecture, and backend best practices**. Passionate about building reliable, maintainable, and high-performance applications. Actively seeking **Java Backend / Spring Boot Developer** roles. Seeking opportunities to work on Java frameworks, Microservices, and learn Cloud technologies AWS, Docker, Kubernetes

Key Skills

Languages: Java, JavaScript, Python
Back-end: Spring Boot, Spring Data JPA, Hibernate, Spring Security, Spring AI, REST APIs, Microservices
Front-end: React.js, HTML5, CSS3, Bootstrap
Databases: MySQL, SQL, MongoDB
DevOps & Tools: Git, GitHub, Maven, Docker, Postman, AWS

Projects

Job Portal Microservices System

● **Tech Stack:** Java, Spring Boot, Eureka Server, API Gateway, REST APIs
GitHub: https://github.com/vatsalvarma/Jobportal-Microservices-Eureka
Designed and implemented a **microservices-based job portal application** following enterprise architecture standards.
Developed independent **Job Service** and **Company Service** using Spring Boot.
Implemented **Eureka Service Discovery** for dynamic service registration and discovery.
Built a **centralized API Gateway** for routing, load balancing, and abstraction of internal services.
Enabled service-to-service communication using **logical service names** instead of hardcoded URLs.
Configured production-style application properties and ports for scalability.
Architecture designed to support **JWT authentication, OpenFeign clients, Resilience4j, Docker, and Kubernetes**

E-Commerce Backend

● **Tech Stack:** Java, Spring Boot, Spring Security, MySQL, Hibernate, REST APIs
GitHub: https://github.com/vatsalvarma/E-commerce-Backend
Developed a **robust backend system for an E-commerce application** using Spring Boot.
Implemented RESTful APIs for **Products, Categories, Orders, and Customers**.
Integrated **Spring Security** for authentication and authorization.
Used **Spring Data JPA and Hibernate** for ORM-based database interaction.
Followed **layered architecture** (Controller, Service, Repository) for clean code and maintainability.
Designed backend APIs to support **scalable frontend integration**..

Spring AI Assistant

● **Tech Stack:** Java, Spring Boot, Spring AI, OpenAI API, REST APIs
GitHub: https://github.com/vatsalvarma/Spring-AI-Assistant
Built an **AI-powered assistant application** using Spring AI and OpenAI integration.
Designed REST endpoints to process user prompts and return AI-generated responses.
Implemented clean backend architecture with configurable AI providers.
Application structured for future enhancements like **RAG (Retrieval-Augmented Generation), Vector Databases, and Conversational Memory**.
Demonstrates integration of **AI capabilities within enterprise Spring Boot applications**.

Education

Visvesvaraya Technological University – Belgaum   *Jan2024 B.E.,*
Computer Science & Engineering

Babu Biradar PU College – Bidar   *Jan2020*
Senior Secondary (XII), Science

Basel Mission English Medium High School – Dharwad   *Jan2018 Secondary (X)*