Ravi Bisht

Indiranagar, Stage 1, Bengaluru - 560038

📞 +91-XXXXXXXXXX | ✉ ravirameshbisht@gmail.com | 🔗 Ravi Bisht

Education

Indian Institute of Technology Bombay	Aug 2017 – Apr 2021

CGPA: 9.80 / 10.00
- Bachelor's Degree in **Mechanical Engineering**
- Micro-specialization in **Artificial Intelligence, Machine Learning**

Work Experience

Software Engineer II	July 2021 – Present
Cisco Systems	*Bangalore, India*

- **Implemented API rate-limiting** mechanisms to prevent abuse and ensure consistent service availability, improving system resilience during high-traffic periods.
- Integrated **message queuing** systems like **RabbitMQ** and **ActiveMQ** for reliable message delivery and handling, improving inter-service communication.
- **Refactored monolithic applications**, into microservices, improving modularity and scalability while reducing downtime during deployments.
- **Automated database migrations**, using tools like **Flyway**, ensuring smooth updates without interrupting service availability.
- **Implemented blue-green deployments** to enable seamless production updates with zero downtime, enhancing user experience during feature rollouts.
- **Designed fault-tolerant microservices** by integrating **retry logic, timeouts** and **bulkhead patterns**, improving service reliability in unstable network conditions.
- Integrated with **OAuth2** and **SSO** for secure authentication and authorization, simplifying user access across various services.
- **Developed and maintained multiple Spring Boot microservices** playing a key role in a major overhaul of the company's core product, which resulted in a **30 percent performance improvement**.
- **Designed and implemented RESTful APIs** seamlessly integrating them with front-end systems, leading to a **25 percent reduction in API response times**.
- Utilized **Spring Cloud** components such as **Config Server** and **Eureka Discovery Server** to manage **centralized configuration** and service registration for microservices.
- **Optimized database interactions** using **Spring Data JPA** and implemented **Spring's default caching**, improving data access speed by **35 percent**.
- Leveraged **Apache Kafka** for **asynchronous communication** between microservices, reducing service latency by **25 percent**.
- Implemented robust **security measures** using **Spring Security** and **JWT** to ensure secure communication and data protection across microservices.
- Deployed microservices to **AWS** using **Kubernetes**, automated CI/CD pipelines with **Jenkins**, and **monitored services** with **Prometheus** and **Grafana**
- Developed comprehensive **unit and integration tests** using **JUnit** and **Mockito**, ensuring high code quality and reliability
- Documented and maintained **API specifications** using **Swagger/OpenAPI**, and created detailed **architecture diagrams, ensuring clarity and ease of use for the development team**
- Actively participated in **Agile development processes**, including daily stand-ups and sprint planning, contributing to continuous product improvements
- **Mentored junior developers**, conducting code reviews and providing technical guidance to ensure best practices and high code quality.

Technical Skills

Databases : PostgreSQL , MySQL, Redis, Cassandra, MongoDB
Programming Languages : Typescript, JavaScript, Java, SQL
Messaging : ApacheMQ, RabbitMQ, Kafka
Cloud : Google Cloud, Azure, GCP

Awards and Achievements

- Received **Value Contribution Award** in Cisco
- Received **On the Spot Award** in Cisco for having good technical knowledge and overall performance
- Received **League Exemplar Award** in Cisco for contribution to Cisco
- Received **Inspiring Performance Recognition** to make the first demo to customer impressive
- Received **ENU Team Excellance Award** for outstanding performance
- Received **Employee of the Quarter** Q4 2003 for outstanding performance

For Java Interview Preparation, connect below

- 🟢 Whatsapp
- 📷 Instagram
- 🏷️ Roadmaps
- ☁️ Java Interview Prep Website