Gaurav Salunke

Senior Software Development Engineer

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Profile

Senior Software Development Engineer with **6 years** of expertise in **Java, Spring Framework**, and **distributed systems**. Specializes in designing **scalable, high-performance backend applications** and **microservices architectures**.

Proficient in **data management** with **Elasticsearch, MySQL, MongoDB**, and the **ELK Stack**. Skilled in building **event-driven systems** using **Kafka, MQTT, and RabbitMQ**. Passionate about **system optimization, problem-solving**, and delivering **high-quality, reliable software solutions**.

Professional Experience

AFour Technologies (An ACL Digital Company),   02/2022 – present | Panaji, Goa
Senior Software Development Engineer

Project: <u>Device Management System</u>

A **highly scalable, cloud-based device management software** that allows admins to manage and configure **PCs, docks, displays, and client peripherals**.

Technologies: Java, Spring Framework, JUnit, MQTT, MongoDB, MySQL

- **Designed and implemented backend features** ensuring high **performance, scalability, and maintainability**.
- **Analyzed and optimized complex code logic**, ensuring seamless integration of new features.
- **Worked on core modules** like **configuration, policies, and group management**, improving system integration and maintainability.
- **Developed a standalone service from scratch** to process orders and efficiently add purchased devices, focusing on **scalability and operational efficiency**.
- **Owned the development and maintenance of core features**, promptly resolving critical issues to maintain system stability.
- **Collaborated with internal and client architects** to design solutions that met evolving requirements, following **best practices** for high-quality software delivery.

Project: <u>Incident and Event Management</u>

A **real-time monitoring and incident management system** providing **proactive monitoring, fault domain isolation, reporting, and problem escalation** for IT and network applications.

Technologies: Java, ELK Stack, Spring Boot, REST, Kafka, RabbitMQ

- **Developed backend features** using **Java, Spring Framework, and Elasticsearch**, ensuring high availability and performance.
- **Actively participated in design discussions**, deriving **low-level designs (LLD) from high-level designs (HLD)** and integrating with platforms like **ServiceNow, Dynatrace, and CloudGenix**.
- **Managed backend development and maintenance**, coordinating with the **delivery manager and E2E designer**, and providing **UAT and production support**.
- **Optimized data processing using Logstash**, filtering data through multiple pipelines before storing it in Elasticsearch.
- **Performed Elasticsearch index backups and restores** during UAT server transitions.
- **Troubleshot and resolved critical production issues**, ensuring **system reliability and client support**.

InBetween Software Development Pvt. Ltd,   07/2019 – 01/2022 | Panaji, Goa.
Software Developer
Project: <u>Dynamic Publishing Software</u>
A **high-performance, automated database publishing software** that generates catalogs, brochures, datasheets, and price lists in multiple formats, including **Word, PowerPoint, Excel, HTML5, Hi-Res PDF, Adobe InDesign, Adobe Illustrator, and QuarkXPress**.
Technologies: Java, JavaFX, Java Swing, REST API, XML Processing, SQL
- **Developed and implemented new features** to meet customer requirements, enhancing product functionality.
- **Designed, coded, and tested features independently** using **Java** and related technologies.
- **Created microservices** for cloud deployment, ensuring **scalability and modularity**.
- **Optimized system performance** by identifying and resolving process bottlenecks.
- **Worked in an Agile SDLC**, actively participating in scrum meetings and delivering client requirements on time.
- **Managed tasks using JIRA**, tracking progress and ensuring timely delivery.
- **Award:** *Rising Star of the Quarter*

Skills

Backend & Microservices
Java, Spring Boot, Spring Framework (Spring Data, Spring Security, Spring WebFlux, Hibernate, Spring Cloud Gateway, Eureka Server/Client), REST API

Security & Authentication
Spring Security, OAuth2, JWT, Okta

Testing
JUnit, Mockito

Tools
IDEs: Eclipse, IntelliJ, VS Code, Git, SVN, Jira, Postman

Operating Systems
Linux, Windows

Messaging & Event-Driven
Kafka, RabbitMQ, MQTT

Logging & Search
ELK Stack (Elasticsearch, Logstash, Kibana)

Databases
Elasticsearch, MySQL, MongoDB, PostgreSQL

UI & Desktop
JavaFX, Java Swing

Education

Padre Conceicao College of Engineering, *B.E IT*   2019

Rosary Higher Secondary School, *HSSC*   2015

Shree Damodar Vidyalaya English High School, *SSC*   2013

Projects

Hotel Rating Microservice
- Developed a microservices-based hotel rating system using **Java** and **Spring Boot**, integrating **MySQL, MongoDB, PostgreSQL, and Spring Security**.
- Implemented **Spring Cloud Gateway** as an API gateway for routing and filtering requests.
- Integrated **Eureka Server** for service discovery and **Eureka Client** for service registration.
- Utilized **OAuth2 and Okta** for authentication and authorization.
- Implemented **config server & client** for centralized configuration management.

- Integrated **Resilience4j** for fault tolerance and resilience.
- Developed **hotel rating functionality**, allowing users to rate hotels.
- **Skills:** Java, Spring Boot, Spring Security, OAuth2, Okta, Spring Cloud Gateway, Eureka, Config Server, Resilience4j, MySQL, MongoDB, PostgreSQL

Online food ordering app
- Designed a **Swiggy-like** application using **MVCS architecture**.
- Developed **REST API endpoints** to fetch restaurant data from **MongoDB** based on user location.
- Used **Redis** for caching database results and optimizing API responses.
- Ensured code quality with **JUnit** and **Mockito** for unit testing.
- **Skills:** Java, Spring Boot, MongoDB, REST API, Redis, JSON, JUnit, Mockito

Stock portfolio analysis tool
- Built a **stock analysis tool** backend for portfolio managers to assist in managing client trades.
- Developed and published a **portfolio manager library** for core trade logic.
- Refactored code to support **multiple stock quote services**.
- Improved responsiveness by implementing **multithreading**.
- **Skills:** Java, Spring Boot, REST API, Jackson, Exception Handling, Multithreading

Secure Blockchain Based Degree Certificate
- Developed a **blockchain-based degree verification system** using **Hyperledger Fabric**.
- Implemented and deployed **smart contracts (chaincode)** for business logic.
- **Skills:** Blockchain, Golang, Hyperledger Fabric

Awards & Certifications

- **Crio Certified Backend Developer** – Portfolio ⧉
- **Secured 8th rank** out of 6000+ participants in **TechGig IG PAN India Contest**
- **Participated and secured 7th state rank** with **1221 Olympiad rank** in the **International Informatics Olympiad**
- **Certificate of Encouragement** for **Innovative Project Competition** (Goa 18-19) by Goa State Innovation Council
- **IBM Blockchain Essentials Badge** issued by IBM
- **HackerRank:**
  - **Silver Badge for Problem Solving**
  - **Java (Basic) Certificate**

Courses & Certifications (Udemy & SoloLearn)

- **Apache Kafka for Developers** using Spring Boot
- **Build Reactive Microservices** using Spring WebFlux & Spring Boot
- **RabbitMQ: Messaging** with Java, Spring Boot & Spring MVC
- **JSP, Servlets & JDBC** for Beginners – Build a Database App
- **Java Tutorial Course** – SoloLearn
- **SQL Fundamentals Course** – SoloLearn
- **HTML Fundamentals Course** – SoloLearn