

Balakrishnan S

Backend Software Engineer | Java, Spring Boot, Kafka, Microservices | 5 YOY | Bengaluru, India

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EXPERIENCE

Tekizma India Solutions Pvt Ltd

Product Engineer II

Bengaluru, India

04/2023–Present

- Designed, developed and maintained scalable backend services using **Java and Spring Boot**, aligning system architecture with business and performance requirements.
- Built and optimized **RESTful APIs**, improving data exchange efficiency and reducing response times through targeted performance tuning.
- Worked extensively with **PostgreSQL**, handling schema design, complex query optimization, and index tuning to support high-traffic production workloads.
- Implemented **Redis caching** and **Kafka-based asynchronous processing** to improve system throughput and reduce latency in distributed services.
- Led migration of a **monolithic application to a microservices architecture**, improving scalability, deployment independence, and fault isolation.
- Architected a dynamic AspectJ solution to handle client-specific configurations on a small set of shared instances, eliminating the need for per-client deployments and significantly reducing operational overhead.
- Integrated **Spring Security** to implement robust authentication and **role-based access control (RBAC)** across backend services.
- Collaborated closely with **product, frontend, QA and DevOps teams** to ensure seamless integration, stable releases, and high-quality delivery.
- Deployed and supported services using **Docker and Kubernetes**, proactively monitoring production systems and resolving performance and reliability issues.
- Collaborated with onshore teams and multiple **external healthcare partners** to validate data flows, integrations and system behavior for a critical backend module.

RamGenix

Software Engineer

Bengaluru, India

12/2021–03/2023

- Developed and maintained backend services and **REST APIs** using **Java and Spring Boot** for core business modules.
- Implemented **Spring Security** based authentication and authorization mechanisms.
- Managed **Flyway** database migrations and worked with **PostgreSQL/MySQL** to ensure data consistency across environments.
- Optimized SQL queries and assisted in resolving production performance and data-related issues.
- Participated in code reviews, integration testing and release activities to support stable deployments.

Time Logic Solutions

Software Engineer

Bengaluru, India

03/2021–12/2021

- Contributed to backend API development and bug fixes using **Java and Spring Boot**.
- Worked with relational databases to implement CRUD operations and support application features.
- Assisted in debugging production issues and improving service stability.
- Created technical documentation and supported team knowledge-sharing initiatives.

SKILLS

Programming Languages: Java (JDK 8, JDK 11, JDK 17), SQL

Databases: MySQL, PostgreSQL, Oracle, MongoDB, Redis

Frameworks & Libraries: Spring Boot, Spring Security, Apache Kafka, JUnit, Mockito, Flyway

Development Tools & Practices: GitHub Co-pilot, Docker, Kubernetes, OpenAPI, Dynatrace, SonarQube, Git, Agile/Scrum

EDUCATION

The Oxford College of Science

Bachelor of Science in Computer Science

Bengaluru, India

02/2016–07/2019