

SHANMUGANATHAN S

Java Developer | Spring Boot | Microservices | Backend Engineering
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PROFILE SUMMARY

Java Developer with 3+ years of experience designing, developing, and maintaining scalable backend microservices and enterprise-grade applications using Java (Java 17), Spring Boot, Spring MVC, and Hibernate/Spring Data JPA. Skilled in RESTful API design and integration, SQL-based data access (PostgreSQL, Oracle SQL, PL/SQL), and Kafka-based messaging for event-driven systems. Experienced in Agile/Scrum delivery, CI/CD pipelines (Jenkins, Git, Docker), production troubleshooting, root cause analysis (RCA), and code reviews, with a track record of improving API performance and system reliability.

TECHNICAL SKILLS

Languages & Frameworks: Java (Java 17), Spring Boot, Spring MVC, Spring Data JPA, Hibernate, Microservices, Python (Basic)

Databases: SQL & PL/SQL (PostgreSQL, Oracle SQL), Database design and query optimization, Redis (Basic)

Messaging & Integration: Apache Kafka (event-driven architecture), REST API design & integration, Postman

DevOps & Tools: Git, Jenkins, CI/CD, Docker, Kubernetes (Fundamentals), Maven

Practices: Agile/Scrum, Sprint Planning & Stand-ups, Code Reviews, Root Cause Analysis (RCA), Production Support & Debugging, Performance Tuning, OOPs

EXPERIENCE

Software Engineer

Feb 2024 – Present

Sundaram Finance Ltd, Chennai

- Designed, developed, and maintained scalable backend microservices and RESTful APIs using Java 17, Spring Boot, and Spring MVC in an Agile/Scrum environment.
- Built core services for Enterprise KYC (eKYC), document workflows, and distributed notification systems, collaborating with cross-functional QA and DevOps teams.
- Implemented Kafka-based asynchronous messaging for decoupled, event-driven architectures across enterprise systems.
- Optimized complex SQL queries and database access layers (PostgreSQL, Oracle SQL, PL/SQL), reducing critical API response times by 40%.
- Owned production troubleshooting, log analysis, and root cause analysis (RCA) for critical incidents, supporting SLA adherence for bug fixes and enhancements.
- Automated CI/CD deployments using Jenkins and Git, and participated in code reviews to maintain code quality and consistency.

Technical Associate

Nov 2020 – Nov 2021

Redisolve Software Pvt Ltd, Chennai

- Supported backend development, production troubleshooting, and defect/log analysis for Java-based applications.
- Wrote optimized SQL queries for data validation, troubleshooting, and backend issue resolution.
- Performed component and API integration testing using Postman and Insomnia.

PROJECTS

Automated Root Cause Analysis (RCA) Utility for Production Logs

- Built a diagnostic utility in Java that parses production application logs and thread dumps to accelerate root cause analysis and issue resolution.
- Integrated log tracking with automated workflows to map errors against internal knowledge repositories and surface actionable fix suggestions.

Enterprise KYC (eKYC) & Insurance Add-on Services

- Engineered high-throughput backend APIs using microservices architecture and business validation rules.
- Integrated third-party verification APIs with secure token handling and asynchronous Kafka-based processing.

EDUCATION

MCA — D.G. Vaishnav College, Chennai

2023

BCA (Hons.) — Vels University, Chennai

2021