

Saketh Balijepalli

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Professional Summary

Backend Engineer with over 3 years of experience in building scalable, secure, and high-performance Java/Spring Boot microservices for fintech platforms. Proven track record in performance optimization and enhancing security by implementing DevSecOps best practices and optimizing critical workflows. Skilled in Java, Spring Boot, and AWS, known for delivering reliable, low-latency, and compliant backend solutions.

Work Experience

Senior Software Engineer – ADF Data Science Pvt Ltd

May 2021 – August 2024 | Chennai

- Led design, development, and containerization (Docker) of production-grade Java/Spring Boot microservices for a leading US fintech client, integrating major partners like Credit Karma and LendingTree. Utilized OpenAPI Specification (Swagger) to define and document RESTful APIs, enhancing clarity and standardization.
- Architected and scaled a unified Affiliate Engine microservice on AWS, optimizing high-traffic workflows and reducing API latency from 30+ seconds to under 8 seconds using AWS Secrets Manager.
- Strengthened security by fixing 200+ critical vulnerabilities in legacy codebases with SonarQube and Nexus, and implemented advanced data security controls (masking, encryption, hashing) to ensure GDPR and SOC 2 compliance.
- Diagnosed and resolved Redis connection timeouts, improving AWS Lambda cache latency from 500ms to under 10ms, validated via JMeter load testing.
- Redesigned underwriting and fraud evaluation systems using state machine models and config-driven APIs, eliminating code deployments for business rule updates and streamlining risk assessment workflows. Collaborated closely with QA, frontend, DevOps, and product teams in cross-functional workflows, especially during the design and development of fraud evaluation systems.
- Automated CI/CD pipelines with Jenkins, integrating SonarQube vulnerability scanning and DevSecOps best practices; enhanced monitoring with CloudWatch Logs and Datadog for proactive issue detection.

Education

Gitam University – Hyderabad, Telangana, India

B.Tech in Computer Science

Skills

Languages: Java, Python, TypeScript

Frameworks & Platforms: Spring Boot, Spring Security, Microservices Architecture, SvelteKit, React, Google ADK

Databases & Caching: MySQL, Redis, Liquibase

CI/CD & DevSecOps: Jenkins, Docker, SonarQube, Nexus

Cloud & Tools: AWS (ECS, Lambda, Secrets Manager), RESTful APIs, JMeter, Git

Projects

Mini E-Commerce App (Spring Boot + React)

- Developed a full-stack e-commerce application featuring a dynamic product catalog, robust cart management, and seamless checkout workflow. Engineered scalable REST APIs and optimized relational database schema with MySQL to support efficient data retrieval. Implemented session-based cart system using Spring Boot and React, enhancing user experience and session persistence. Containerized the entire application environment using Docker Compose to streamline deployment and ensure consistency across development and production.

Google ADK Multi-Agent Project

November 2025 – Present

- Built a multi-agent system using Google ADK to automatically discover classical dance mentors, festivals, and collaboration opportunities. Implemented custom tools, long-term memory, and automated outreach generation, with agents coordinated via A2A routing. Deployed the system as an API with observability and long-running opportunity scanning.

XLSX to JSON Converter

- Developed a production-ready tool to convert complex Excel (XLSX) files into validated, schema-compliant JSON structures exposed via REST APIs. Designed robust file upload endpoints with comprehensive schema validation, type checking, and error handling to gracefully manage malformed or corrupted spreadsheets. Leveraged Apache POI streaming API to efficiently process large XLSX files, minimizing memory overhead and ensuring high performance under load.