

Saketh Balijepalli

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SUMMARY

Software Engineer with 4+ years of experience architecting scalable, secure financial systems. Expert in **Java/Spring Boot** and **AWS** cloud infrastructure, with a track record of reducing API latency by over **80%** (45s to 8s) and ensuring **SOC 2/GDPR** compliance for high-volume fintech platforms. Recently returned to the workforce after a family sabbatical, currently engineering autonomous **Multi-Agent AI systems** using Google ADK.

TECHNICAL SKILLS

Languages: Java (Expert), Python, TypeScript, SQL.

Frameworks: Spring Boot, Spring Security, Microservices, Google ADK, React.

Cloud & DevOps: AWS (Lambda, Secrets Manager, ECS), Docker, Jenkins, SonarQube, Nexus.

Data & Caching: MySQL, Redis, Liquibase.

EXPERIENCE

Independent Engineer | *Remote*

Agentic AI & Multi-Agent Systems (Project Focus) | *October 2025 – Present*

- **Multi-Agent Orchestration:** Built an autonomous multi-agent system using **Google ADK and Python** to automate dance opportunity discovery; agents autonomously identify global performance venues and collaborators using A2A Protocol.
- **Automated Workflow:** Built a pipeline integrating custom tools (web search, scraping) to synthesize research data and auto-draft personalized applications, demonstrating proficiency in LLM integration and context compaction.
- **System Design:** Designed a stateful workflow with session management and crash recovery to coordinate discovery and drafting agents, ensuring accurate context retention through Memory Bank integration.

Career Sabbatical | *Hyderabad, India*

Family Caregiving | *August 2024 – September 2025*

- Taken a planned career break to provide full-time caregiving for a family member during a medical emergency. (Now fully returned to the workforce).

ADF Data Science Pvt. Ltd. | *Remote*

Senior Software Engineer | *May 2021 – July 2024*

- **High-Scale Architecture:** Led the design and containerization of production-grade microservices on **AWS**, enabling seamless integration with major partners including **Credit Karma, Lending Tree, and Even Financial**.
- **Performance Engineering:** Scaled microservices by migrating to a **thread-pooled concurrent architecture**, slashing end-to-end processing time by **82% (45s to <8s)**.
- **Infrastructure Optimization:** Diagnosed and resolved critical Redis connection bottlenecks, reducing AWS Lambda latency from **500ms to <10ms**; validated system stability under **1000+ concurrent requests** via JMeter.
- **Security & Compliance (DevSecOps):** Led a security initiative to fix **100+ critical vulnerabilities** using SonarQube and Nexus; implemented custom encryption/hashing (Spring Security) to achieve **GDPR and SOC 2 compliance**.
- **Business Impact:** Rebuilt underwriting workflows using a **State Machine model**, enabling config-driven updates without deployment; optimized onboarding APIs contributed to an **18% increase** in new customer signups.

IntentBi | *Remote*

Java Developer | *August 2020 – November 2020*

- **API Integration:** Integrated **15+ REST APIs** (Facebook, Twitter) into an analytics dashboard and partnered with frontend teams to optimize data payloads for real-time rendering.

KEY PROJECTS

- **Mini E-Commerce Platform:** Built and containerized (Docker) a scalable backend using **Spring Boot/MySQL** featuring a dynamic product catalog, session-based cart, and React frontend..

EDUCATION & CERTIFICATIONS

AI Agents Intensive Certification | **Google & Kaggle (2025)**

B.Tech in Computer Science | Gitam University, Hyderabad (2015 – 2019)