

Sai Nath Myana

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Summary

Software Engineer with 4+ years of experience building scalable backend systems using Java, Spring Boot, and SQL/NoSQL databases. Skilled in designing microservices, distributed systems, and batch workflows with cloud-native deployments on AWS and Azure. Strong expertise in REST APIs, CI/CD pipelines, Kubernetes orchestration, observability (Grafana, Prometheus, Splunk), and system design — with additional exposure to React.js and Generative AI (RAG, embeddings, vector search).

Skills

- **Languages:** Java, Python, JavaScript, HTML/CSS
- **Frameworks:** Spring Boot, Spring Security, Spring Batch, React.js, JWT Authentication, Hibernate
- **Messaging & Streaming:** Kafka, RabbitMQ
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis, NoSQL, NoSQL
- **Cloud & DevOps:** AWS, Azure, Docker, Kubernetes, Terraform, Jenkins, Helm, Ansible, CI/CD Pipelines, Microservices Architecture
- **Tools & Practices:** Git, Swagger, Postman, REST APIs, Agile, SonarQube
- **Testing:** JUnit, Mockito, MockMVC, Rest-Assured, Selenium, Jest
- **Monitoring & Logging:** Splunk, Prometheus, Grafana
- **GenAI:** RAG, Embeddings, Vector Search, Prompt Engineering, Agentic AI

Professional Experience

Walmart | Sunnyvale, California

July 2024 – Present

Software Engineer

- Architected and deployed a batch processing system handling 10K+ APMIDs and 50K+ service accounts per run, achieving 99.99% reliability with auto-recovery, distributed logging, and reducing compliance risk.
- Optimized policy violation workflows by implementing multithreaded Spring Batch with partitioning, chunk tuning, and parallel execution, cutting job runtime by 60% and enabling faster SLA-driven remediation.
- Automated 5K+ ServiceNow tickets/month with ownership resolution and evidence attachments, reducing manual triage effort by 70% and accelerating incident response.
- Designed CI/CD pipelines with Jenkins, Helm, and Kubernetes across 3 clusters, enabling zero-downtime deployments and reducing rollout time by 40%, improving release velocity.
- Enhanced observability stack with Grafana, Prometheus, and Splunk, reducing MTTR by 50% through proactive issue detection and real-time alerting.
- Refactored high-traffic APIs and backend modules, improving throughput by 40% and reducing end-user latency under peak loads.
- Implemented enterprise-grade security controls including Kubernetes RBAC, Spring Security (JWT/OAuth2), and TLS encryption, ensuring 100% compliance with internal policies.

Accenture | Hyderabad, India

August 2019 – August 2022

Software Engineer

- Delivered 10+ user stories, bug fixes, and enhancements per sprint as the most junior engineer, improving team velocity by 15% and earning recognition for exceeding commitments
- Refactored legacy Java modules into modular, reusable services, reducing technical debt by 25% and cutting developer onboarding time by 30%.
- Implemented resilient JDBC error-handling and connection pooling, eliminating runtime exceptions and improving system uptime by 20%.
- Designed and enforced Git branching strategies with automated version tagging, reducing merge conflicts by 40% and accelerating bug resolution.
- Developed JUnit + Mockito test suites that achieved 90% code coverage, reducing production defects by 35% and improving release confidence.

Projects

Slack-Integrated Chatbot for Student Data Querying

- Built a LangChain-powered Slack chatbot using Socket Mode to simulate 50+ student query types, enabling natural language interaction over an in-memory dataset
- Achieved sub-500ms response time through a Streamlit UI backed by a REST API and H2 database, supporting real-time, low-latency query resolution during prototyping

Microservices Architecture for Quiz Platform

- Engineered a modular quiz platform with APIs for quiz creation, scoring, and history, handling concurrent users with <200ms average response time.
- Implemented Eureka (service discovery), Feign (inter-service calls), and MySQL transactions, ensuring consistent state across services.
- Containerized services with Docker, cutting downtime by 95% compared to monolithic setup and enabling seamless scaling under load tests.

Freelance Project – Business Website (MSKASSOCIATES)

- Delivered a responsive business website for a structural engineering firm using React + AWS Amplify Hosting, achieving <2s page load times
- Configured SSL certificates with ACM + Squarespace DNS for secure HTTPS and 100% domain validation, enabling mobile-first client experience

Education

Missouri University of Science and Technology | Rolla, Missouri

Master of Science, Computer Science

August 2022 – May 2024