

SAI NATH MYANA

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Summary

Software Engineer with 3+ years of experience in building scalable backend systems using Java, Spring Boot, and SQL, alongside hands-on frontend work with React.js. Specialized in designing secure APIs, automating batch workflows, and deploying containerized services on Kubernetes. Recently focused on integrating Generative AI in enterprise systems through RAG pipelines, vector search, and agentic AI techniques.

Skills

Languages: Java, Python, JavaScript, HTML/CSS

Web & Frameworks: Spring Boot, Spring Security, Spring Batch, React.js, JWT Authentication

DevOps & Infrastructure: Docker, Kubernetes, Terraform, Ansible

Messaging & Streaming: Kafka, RabbitMQ

Databases: MySQL, PostgreSQL, MongoDB, NoSQL, SQL Workbench, Spring JPA

Cloud Services: AWS, Azure

Developer Tools: Git, VS Code, IntelliJ, Visual Studio

Testing & Debugging: JUnit, Mockito, MockMVC, Rest-Assured, Selenium, Jest

Monitoring & Code Quality: Splunk, Prometheus, Grafana, SonarQube

GenAI: RAG, Embeddings, Vector Search, Prompt Engineering, Agentic AI

Other: Agile, SLF4J, Swagger, Postman

Professional Experience

Walmart | Sunnyvale, California

July 2024 – Present

Java Developer

- Developed a scalable batch processing system that analyzes 10K+ APMIDs and 50K+ service accounts per job run, ensuring 99.99% reliability, auto-recovery, and full audit traceability
- Optimized policy violation workflows by implementing multithreaded Spring Batch jobs with chunk tuning and parallel execution, reducing processing time by 60%
- Delivered 15+ automated compliance checks across internal infra, achieving 100% policy coverage without manual intervention
- Automated generation of 5K+ ServiceNow tickets per month by resolving ownership and attaching remediation details, reducing triage effort by 70%
- Improved debugging efficiency by 50% and SLA adherence by 30% through custom logs, targeted alerts, and Grafana dashboards
- Refactored backend modules to reduce API response times by 40% and enhance system performance under production load
- Architected retry and exception-handling logic across batch jobs and ServiceNow flows, increasing job success rate by 35% and preventing ticket delivery failures in production

Accenture | Hyderabad, India

August 2020 – August 2022

Software Engineer

- Participated in agile ceremonies and consistently completed 30+ sprint tasks ahead of deadlines, improving sprint velocity by 15% as the most junior team member
- Reorganized legacy Java modules to improve modularity and reusability, reducing technical debt by 25% and decreasing onboarding time for new developers
- Introduced advanced error-handling patterns for JDBC connections, eliminating the runtime exceptions and increasing system uptime by 20%
- Established Git-based branching strategies and automated version tracking across 3+ projects, reducing merge conflicts by 40% and accelerating bug resolution
- Formulated test plans and implemented JUnit and Mockito test cases, achieving 90% test coverage and reducing production defects by 35%

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 RESTful APIs for quiz creation, category-based question retrieval, scoring, and history
- Leveraged Eureka for discovery, Feign for inter-service calls, and MySQL for consistent transactional storage

Freelance Project – Real Client Website ([MSKASSOCIATES](#))

- Delivered a fully responsive business website for a structural engineering firm, using React and AWS Amplify Hosting
- Configured SSL via ACM and Squarespace DNS for secure HTTPS and mobile-first experience with 100% domain validation

Education

Missouri University of Science and Technology | Rolla, Missouri

August 2022 – May 2024

Master of Science, Computer Science