

SAI RAJ AGGANI

Software Development Engineer

(573) 537 -1701 | sairaj.aggani@gmail.com | [LinkedIn](#)

Professional Summary

Full Stack Developer with 2+ years of experience in developing end-to-end web and mobile applications using Java, Spring Boot, React, and AWS. Skilled in building secure RESTful APIs, designing scalable microservices, and integrating SQL and NoSQL databases. Proficient in containerization using Docker, and automating deployments with CI/CD pipelines via GitHub Actions and Jenkins. Adept at working in Agile environments with a strong focus on clean code, performance, and maintainability.

Experience

Reality AI Lab

Dec 2024 – May 2025

Full Stack Developer - Freelance

New York (Remote)

- Developed a web-based tool discovery platform using React.js for frontend and Spring Boot for backend services.
- Built secure RESTful APIs with Spring Security and JWT-based authentication for role-based access control.
- Designed microservices for personalized tool recommendations, leveraging MongoDB for flexible data models.
- Used Docker to containerize applications and deployed services to AWS EC2, integrating S3 for static asset storage.
- Created a fully automated CI/CD pipeline with GitHub Actions to build, test, and deploy on every push.
- Monitored application logs using AWS CloudWatch and set up alerts using SNS for critical failures.

Missouri University of Science and Technology

Aug 2023 – Dec 2024

Student web developer

Rolla, Missouri

- Led the development of official MAKE Lab website for university using React.js frontend and Java Spring Boot REST API backend, hosted on AWS infrastructure.
- Integrated MySQL database for content management and implemented API rate limiting using Spring AOP.
- Designed Docker files and automated environment provisioning using GitHub Actions for a seamless CI/CD pipeline.

T- Hub

April 2022 – Aug 2023

Software Developer – Intern

Hyderabad, India

- Developed a Learning Analytics Dashboard using Spring Boot APIs and React.js, integrating PostgreSQL for relational data and MongoDB for storing unstructured user logs.
- Implemented user progress tracking using scheduled background services and visualized data insights through graphs.
- Orchestrated deployments with Docker Compose and configured Jenkins for CI/CD pipeline connected to AWS EC2.
- Created RESTful services to manage quizzes, scoring logic, and feedback collection.

Projects

Cloud-Based Task Management System

- Built a secure task management web app with Spring Boot REST APIs and React frontend.
- Implemented user roles, authentication (JWT), and authorization for managing task assignments.
- Used PostgreSQL for data storage, and deployed the containerized app to AWS EC2 via Docker.
- Set up CI/CD pipeline with GitHub Actions to automate testing and deployment on every commit.

Real-Time Log Monitoring & Alerting System

- Developed a log ingestion service in Node.js and integrated Spring Boot API to expose logs to a dashboard.
- Parsed and stored logs in DynamoDB, triggered alerts using AWS Lambda and SNS based on log thresholds.
- Designed dashboard UI using React.js, displaying real-time logs and status updates.
- Used Terraform to provision cloud resources and automate infrastructure setup.

E-Commerce App (Mobile + Web)

- Developed a hybrid e-commerce solution with React frontend and Android app using Java and SQLite for offline storage.
- Backend powered by Spring Boot with MySQL, handled product catalog, orders, and checkout.
- Integrated API endpoints for cart management and payment simulation.

Skills

- **Languages:** Java, JavaScript, TypeScript, Python, HTML, XML, JSON
- **Frontend:** React, Redux, HTML5, CSS3, Bootstrap, UI/UX, Tailwind CSS
- **Backend:** Spring Boot, Node.js, Express.js, REST APIs, Microservices, Django, Hibernate, J2EE
- **Databases:** MySQL, PostgreSQL, MongoDB, DynamoDB, SQLite.
- **Cloud Platforms:** AWS (EC2, S3, RDS, Lambda, SNS, CloudWatch), Azure, GCP
- **DevOps & CI/CD:** Docker, GitHub Actions, Jenkins, Terraform, Kubernetes
- **Tools:** Git, Postman, JIRA, Linux, Agile/Scrum, Firebase, Maven, Gradle, JUnit, Selenium

Education

Masters in Computer Science

May 2025

Missouri University of Science and Technology.

CGPA: 3.6/4