

SAI RAJ AGGANI

Full stack Developer

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Professional Summary

Detail-oriented Software web developer with over 2+ years of experience in full-stack development, building secure and scalable applications using JavaScript, Spring Boot, Node.js, React, and cloud platforms (AWS). Skilled in Agile SDLC, microservices architecture, DevOps (CI/CD with Jenkins and GitHub Actions), and automated testing (JUnit, Selenium). Proven ability to translate complex business requirements into functional, efficient, and user-centric solutions. Passionate about performance tuning, modern software design patterns, and innovation-driven development.

Experience

Reality AI Lab

Software Developer

Dec 2024 – Present

New York (Remote)

- Built a Tool Discovery Platform using React.js, featuring dynamic search, filtering, personalized recommendations.
- Developed RESTful APIs with Node.js/Express.js and integrated Firebase Auth and Firestore to manage user-specific data and usage tracking. Deployed the platform on AWS EC2, containerized with Docker.
- Automated deployment via GitHub Actions, improving delivery speed and system reliability by 36%.

Missouri University of Science and Technology

Student Web developer

Aug 2023 – May 2025

Rolla, Missouri

- Developed and launched the official MAKE Lab website for university using the MongoDB, React, Express and Node.js stack, improving lab resource access and engagement for 1000+ students.
- Built a responsive, mobile-optimized UI, integrated RESTful APIs, and implemented backend services with Node.js and Express. Deployed on AWS EC2, containerized with Docker, and automated deployments via GitHub Actions.
- Performed automated testing using Selenium and maintained uptime on different operating systems to ensure cross functionality, code quality, and continuous feature updates.

Hyper Thread Solutions

Software Developer

April 2022 – Aug 2023

Hyderabad, India

- Developed and deployed a real-time online newspaper platform with a React frontend and Django backend, enabling live content publishing and user interaction. Implemented user authentication, content moderation workflows.
- Integrated Jenkins pipelines for CI/CD and managed version control with Git.
- Successfully deployed it on a cloud server, improving content delivery speed and maintaining cross-device responsiveness.

Projects

Cloud-Based Inventory Tracking System

- Developed a serverless inventory tracking system using Node.js and AWS Lambda, integrated with DynamoDB for storage.
- Implemented automatic updates on stock levels, triggered alerts using CloudWatch and SNS, and stored backups in S3.
- Enabled real-time reporting and improved data retrieval performance by over 60%.

Employee Management Portal

- Built a full-stack web app for managing employee records with React.js frontend and Spring Boot backend.
- Secured routes with JWT-based authentication, and used PostgreSQL to handle relational data and reporting.
- Integrated role-based access for HR/Admin and optimized API performance with Spring REST and caching.

Real-Time Chat App

- Developed a mobile chat application using React Native with SQLite for offline data storage and chat history persistence.
- Integrated Firebase Authentication and FCM for secure login and push notifications on new messages.
- Implemented one-on-one chat, message read receipts, and local caching for seamless offline experience.

Skills

- Languages:** Java, JavaScript, Python, TypeScript, C++, SQL
- Frontend:** React, Bootstrap, SASS, XML, JSON, Redux, HTML5, CSS3, Tailwind, Angular
- Backend:** Node.js, Spring Boot, J2EE, REST APIs, Express.js, Django, Firebase Functions
- Database:** MongoDB, MySQL, PostgreSQL, SQLite
- Cloud Platforms:** AWS (EC2, S3, Lambda, RDS, CloudWatch), Google Cloud Platform (GCP)
- DevOps & Tools:** Docker, Kubernetes, Jenkins, Maven, Git, GitHub Actions, Firebase, Netlify, Postman
- Soft Skills:** Team Collaboration, Agile/Scrum, Communication, Critical Thinking, Time Management

Education

Masters in Computer Science

Missouri University of Science and Technology.

May 2025

CGPA: 3.6/4