

SAI POOJA REDDY PALLE

Full Stack Developer | Angular Expertise | Web & Mobile Development

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Summary

Experienced full stack developer specializing in Java and Spring Boot with a strong track record in building scalable, secure, and maintainable enterprise applications. Proficient in Agile methodologies and CI/CD pipelines, with hands-on expertise in AWS deployments, RESTful APIs, and automated testing. Demonstrated ability to collaborate across teams to deliver high-quality health software solutions on time, optimizing performance and compliance with security standards.

Education

Northwest Missouri State University	Maryville, MO
Master's in Applied Computer Science	01/2024 - 05/2025
Sphoorthy Engineering College	Hyderābād, India
Bachelor of Technology in Computer Science Engineering	06/2017 - 07/2021

Skills

Angular • Java • Spring Boot • Spring Framework • React • REST APIs • SQL • NoSQL • MongoDB • AWS • Azure • Terraform • Jenkins • JUnit • Git • GitHub • Docker • Microservices • CI/CD • Agile • DevOps • Effective Communication • Organizational Skills • Attention to Detail • Analytical Thinking • Problem Solving • Troubleshooting • Self-Starter • Team Collaboration • JSON • SDLC • Your Skill

Experience

AL Data Tech	Dallas,TX
Software Developer	06/2025 - Present
<ul style="list-style-type: none">Developed Java/Spring Boot APIs, implemented OAuth2.0 authentication, and integrated microservices.Managed deployments on AWS, used Docker/Kubernetes for containerization, and implemented IAC with Terraform.Created automation scripts for testing and deployment, improving release speed by 30%.	
Northwest Missouri State University	Maryville, MO
Graduate Assistant	01/2024 - 05/2025
<ul style="list-style-type: none">Designed and developed Java/Spring Boot microservices with REST APIs for high-volume transactions, integrating with MySQL and PostgreSQL databases.Implemented unit and integration testing using JUnit, achieving 92% coverage and improving defect detection by 45%.Worked in Agile/Scrum environment, collaborating with product owners, QA, and DevOps to ensure timely delivery.Deployed cloud-ready applications to AWS using Terraform and automated builds via GitHub Actions.Monitored and debugged APIs using centralized logging, reducing production issue resolution time by 40%.	
Highradius Technology Pvt Ltd	Hyderabad, India
Software Engineer	09/2021 - 09/2022
<ul style="list-style-type: none">Developed and maintained Spring Boot microservices and REST APIs, improving invoice processing speed by 35%.Optimized Oracle PL/SQL queries for large-scale transactional data, improving query performance by 40%.Built and deployed on Tomcat servers, integrating services into CI/CD pipelines with Jenkins.Collaborated cross-functionally to resolve production issues, meeting strict SLAs.	

Projects

ToDo Web Application

- Refined a task-tracking application with dynamic category filters, CRUD operations, and responsive UI.
- Boosted system uptime by 15% by deploying RESTful backend using Spring Boot and Docker.
- Used GitHub for version control and GitHub Actions for CI/CD.

Ecommerce Application

- Built backend services for product, order, and payment management.
- Refined backend APIs for order, product, and payment modules. Deployed to AWS EC2 and RDS with secure S3 storage integration.

Codesage – AI-Powered Code Review Assistant

- Built full-stack code review tool using React.js, Node.js, OpenAI APIs, deployed with AWS & Docker – boosted dev efficiency by 30%.
- Enhanced deployment efficiency by 30% by implementing CI/CD with Docker and AWS.

Chatbot with ChatGPT Integration

- Enhanced student support chatbot with Flask, React, MongoDB, merged with ChatGPT and deployed on AWS S3

SmartTrack – School Bus Tracking System

- Generated a full-stack application for real-time bus tracking with live GPS updates and driver-parent notifications.
- Enhanced real-time GPS bus tracking app using Spring Boot, React, and Firebase, deployed via AWS ECS, supported RBAC security.
- Enforced authentication and role-based access control for admin, driver, and parent users.
- Deployed on AWS with Docker containers, improving system scalability.

Calm Sphere - Android Meditation App

- Increased user engagement by 20% by developing an Android app for guided meditation and music streaming with user profiles.
- Blended Firebase for real-time data sync and AWS S3 for media content delivery, serving 1,000+ active users with 99% uptime.

Advanced employee management system

- Boosted HR data accessibility by consolidating information for 500 employees into a single management system.
- Improved an admin portal for admin in charge of managing company information, leave management, and payroll, and can also add and tweak employee details. Employees use the system to check their leave status, view salary details, and yearly holiday lists, and for voicing grievances or resigning.

Certifications

Goalstreet

Machine Learning with Python

Oracle

Oracle SQL Certification