

Marri Sai Chandan

Software Engineer

MA | (401-267-8626 | saichandan3226@zohomail.com

SUMMARY

Software Engineer with 4+ years of experience building and scaling backend-heavy, production systems across fintech, enterprise SaaS, and consumer platforms. Strong background in Java, Spring Boot, Node.js, REST APIs, and microservices, with hands-on experience deploying on AWS (EC2, ECS, RDS) and optimizing performance using Redis, SQL tuning, and caching strategies. Proven track record of improving system reliability, reducing latency by up to 60%, and supporting high-traffic, large-scale applications in regulated and high-availability environments. Experienced working end-to-end across backend, cloud infrastructure, CI/CD, and frontend integrations, with a pragmatic, delivery-focused engineering mindset.

SKILLS

Methodologies: SDLC, Agile, Scrum, Waterfall
Programming Languages: Java, JavaScript, TypeScript, Python, C, C++, C#, Kotlin, SQL
Backend Technologies: Spring Boot, Spring MVC, Spring Security, Node.js, Express.js, Microservices, Hibernate, JPA, REST APIs
Frontend Technologies: React, Angular, Vue, HTML5, CSS3, State Management (NgRx)
Mobile & SDK Development: Android SDK, Jetpack Compose, Firebase Analytics, Ad Mediation, Performance Tuning
Cloud & DevOps: AWS (EC2, S3, RDS, Lambda), Azure, GCP, Docker, Kubernetes, Jenkins, Terraform, CI/CD Pipelines, Kibana
Databases & Caching: PostgreSQL, MySQL, MongoDB, Cassandra, Redis, SQL Query Optimization, ORMs
System Design & Architecture: Distributed Systems, High-Load Applications, System Architecture, Caching Strategies
Data Engineering & Analytics: Data Pipelines, Web Scraping, Real-Time Analytics, Fraud Detection Algorithms
Testing & Quality: Unit Testing (JUnit, Jest, Mocha), Test Automation, Code Reviews, Debugging, Code Refactoring
Web Technologies: JSON, XML, AJAX, JSP, Servlets, WebSockets
Tools & Platforms: Git, GitHub, Docker, Kubernetes, IntelliJ IDEA, Apache Tomcat, WebSphere, ServiceNow Platform (SAM Pro)
Operating Systems: Windows, Linux
AI & Automation: AI-powered tools, Workflow Automation, AI-driven Insights

EDUCATION

Master in Computer Science Clark University Worcester, Massachusetts	May 2025
Bachelor in Computer Science Amrita Vishwa Vidyapeetham, Coimbatore	July 2020

EXPERIENCE

ServiceNow, MA Software Engineer	Nov 2024 Current
<ul style="list-style-type: none">Designed and developed backend REST APIs using Java, Spring Boot, Spring MVC, and JPA to support enterprise workflow modules, improving service reliability and request handling consistency.Implemented authentication and authorization flows using Spring Security and OAuth-based controls, strengthening access governance across internal applications.Built and optimized microservice components deployed on AWS EC2 and RDS, reducing API response latency by 25% through query optimization and caching strategies.Collaborated with frontend teams using Angular and REST APIs to enable seamless data exchange and improve UI responsiveness for operational dashboards.Monitored application performance using Kibana and log analysis, proactively identifying bottlenecks and improving system stability during peak usage periods.	

Appyhigh Technology LLP, India Software Development Engineer - I	Sep 2021 - Mar 2023
<ul style="list-style-type: none">Led backend API development for a new authentication and profile management microservice using Java and Spring Boot, reducing login latency by 30% and supporting 500K+ active users.Built a real-time notification system using Node.js, Express, and Socket.IO, increasing in-app user engagement by 15% within one quarter.Containerized core services using Docker and deployed on AWS ECS, streamlining CI/CD workflows and cutting deployment time by 40%.Optimized database queries and implemented Redis caching for high-traffic endpoints, improving API response times by 60%.Integrated third-party payment gateways and ad mediation platforms via RESTful APIs, contributing to a 25% increase in successful monthly transactions.	

TCS, India Software Engineer	Apr 2020 - Sep 2021
<ul style="list-style-type: none">Developed and enhanced features for a large-scale banking platform using C++ and SQL, processing high-volume financial transactions with 99.9% data accuracy.Designed a multi-threaded C++ data processing utility to validate large external data feeds, reducing processing time for ~1GB files from 2 hours to under 15 minutes.Modernized legacy reporting by building a Java-based service to automate daily transaction reports, saving 20+ person-hours per week.Configured and maintained Jenkins CI pipelines to automate builds and regression testing, reducing build verification cycle time by 25%.Resolved complex production issues related to memory management and concurrency, improving system stability in a regulated banking environment.	

PROJECT

Project Overview — Git Finder App
Tech Stack: React.js, Node.js, Tailwind CSS, DaisyUI, Axios
<ul style="list-style-type: none">Built a responsive React web application that consumes the GitHub REST API to search users by username and fetch real-time profile and repository data.Implemented React Hooks and Context API for global state management, reducing prop drilling and improving component scalability.Designed dynamic UI components to display user bio, followers, following count, and public repositories with conditional rendering and error handling.Integrated asynchronous API calls using Axios, handling loading states, API limits, and empty-result scenarios gracefully.Styled the application using Tailwind CSS and DaisyUI, ensuring mobile responsiveness and a clean, modern UI suitable for portfolio presentation.

Project Overview — SpeakInEnglish
Tech Stack: Kotlin, Java, Firebase, Android SDK, Jetpack Components
<ul style="list-style-type: none">Developed an Android application enabling users to connect anonymously with global users for real-time English speaking and text-based conversations.Implemented Firebase Authentication and Realtime Database to manage anonymous user sessions, chat data, and live user matching.Built interactive Android UI using Jetpack components, ensuring smooth navigation, lifecycle awareness, and a responsive user experience.Designed privacy-first communication flows allowing users to practice spoken English without sharing personal information.Integrated real-time networking logic to support live conversations, demonstrating end-to-end mobile app development from UI to backend services.