

# Marri Sai Chandan

## Software Engineer

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### 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

May 2025

Clark University Worcester, Massachusetts

#### Bachelor in Computer Science

July 2020

Amrita Vishwa Vidyapeetham, Coimbatore

### EXPERIENCE

#### ServiceNow, MA | Software Engineer

Nov 2024 Current

- 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

- 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

- 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

- 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

- 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.