

Manikanta KNR

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Summary

Software Engineer with **2+ years of experience** building scalable backend systems, microservices, and full-stack applications. Proficient in **Go, Java, React, TypeScript, Docker, AWS**. Skilled in **RESTful APIs, Design Patterns, PostgreSQL, and Redis**.

Experience

Software Engineer I Sureify, Hyderabad

Nov 2023 – Present

- Implemented scalable, event-driven microservices as a core contributor to a carrier integration platform, leveraging **TypeScript, Apache Kafka, Amazon S3, REST APIs, and Temporal**, enabling seamless integration with distributed systems.
- Collaborated with the **CoreConnect** team to develop a scalable backend architecture supporting lifetime agent servicing without backend modifications.
- Developed bidirectional data mapping services transforming frontend inputs into carrier-compliant **API** payloads, optimizing PostgreSQL performance via an identifier mapping schema and improving transaction throughput.
- Engineered backend microservices in **Golang** for the Sureify Engage platform, achieving a 30% faster API response and supporting 10,000+ **concurrent users**.
- Optimized data mapping between insurance databases and Sureify systems using **Kafka** and **Arecibo**, improving data integration efficiency by 20%.
- Monitored logs and key **performance metrics** using New Relic, identified bottlenecks, and resolved production and staging environments issues.
- Key Skills: Golang, TypeScript, React, Apache Kafka, Redis, PostgreSQL, Docker, AWS (S3, EC2, Lambda, API Gateway), Temporal, Event-Driven Architecture, REST APIs, Microservices, CI/CD, Performance Optimization.

Software Development Intern Sureify, Hyderabad

Feb 2023 – Oct 2023

- Built a scalable **Goals module** enabling users to set personalized goals and visualize progress through dynamic tracking features using Golang.
- Processed **high-volume** user activity data from Validic via Redis and Cron jobs, reducing data transformation latency by 20%.
- Contributed to migrating Sureify's Acquire Studio UI from **v1 to v2**, implementing pagination, caching, and responsive MUI components, enhancing user experience by 60%.

Software Development Intern Zemoso Technologies, Hyderabad

Dec 2022 – Feb 2023

- **Built and containerized** a **Java Spring Boot** microservice with Docker, integrating Hibernate ORM to reduce response times by 30%.
- Developed RESTful APIs using Spring Boot and integrated with a **React + MUI** frontend, improving mobile responsiveness by 40%.

Achievements

- Awarded **Star Performer** for exceptional adaptability in transitioning between product and delivery teams and quickly ramping up on complex projects.
- Took ownership and delivered the **Goals module** end-to-end for a user-facing application, handling code reviews, unit testing, and build deployments via **Jenkins CI/CD**.

Skills

Languages: Go (Golang), Java, TypeScript, JavaScript, SQL, React.js, PostgreSQL, MySQL

Backend & APIs: RESTful APIs, Microservices, Event-Driven Architecture, Temporal, Kafka, Redis

Frameworks: Spring Boot, Node.js/Express, React, Redux, MUI, Jest, JUnit

Cloud/DevOps: AWS (S3, EC2, RDS, Lambda, Secrets Manager), Docker, Jenkins, GitHub, OpenAPI, New Relic

Education

B.Tech in Information Technology, SRKR Engineering College, Andhra Pradesh

2019 – 2023 — CGPA: 7.6/10

Relevant Coursework: Data Structures and Algorithms, System Design, DBMS, Operating Systems, Computer Networks