

# Kakaraparth V N P Siddhartha

Hyderabad, Telangana, India • +91 7075452653 • siddharthakakarparthy@gmail.com  
LinkedIn • GitHub • Personal Website

## PROFESSIONAL SUMMARY

Senior Software Engineer with 3.5 years building production systems at scale: Android SDKs serving 20 million daily active users, Kafka and ClickHouse event analytics on AWS, and generative AI applications. Promoted to Senior SDE, trusted to lead teams of 5 and 3 within three years. Forward Deployed Engineer at Kore.ai, owning the full data infrastructure stack – ingestion, Kubernetes, Terraform – end-to-end on AWS. Two-time Best Employee Award winner and open-source contributor with merged Coral connector PRs.

## TECHNICAL SKILLS

**Languages:** Go, Python, Java, JavaScript, TypeScript, C, C++

**Go (Concurrency):** Goroutines, Channels, Contexts, WaitGroups, Mutexes, Worker Pools, Chi Router

**Backend & APIs:** REST APIs, gRPC, Microservices, WebSocket, SSE, FastAPI, Django, Nginx

**Data & Messaging:** Kafka, ClickHouse, Redis, PostgreSQL, MongoDB, MySQL

**Cloud, DevOps & Observability:** AWS (EKS, S3, EFS, IAM, ALB), GCP, Docker, Kubernetes, Terraform, Tanka, Harness CI, JFrog Artifactory, Grafana, Prometheus, Loki

**Frontend & Mobile:** React, TailwindCSS, ShadCN UI, TanStack Query, Android SDK (Java/Kotlin), Jetpack Compose, React Native, Flutter

**AI / ML:** RAG Pipelines, LLM Fine-tuning, Anthropic, OpenRouter, LightGBM, XGBoost, HuggingFace Transformers, Prompt Engineering

## PROFESSIONAL EXPERIENCE

### Senior Software Engineer, Deepta AI

Hyderabad, India

Sep 2025 – Present

Full-time, On-site

- Lead a 15-member AI upskilling program from zero as sole point of contact, designing curriculum spanning LLM internals, fine-tuning, agent frameworks, RAG pipeline design, and prompt engineering.
- Build a GCP cloud cost optimization tool in Go with an AI chatbot for natural-language cost queries, integrating Billing Export, VPC Flow Logs, and Cloud Monitoring API.
- Architect Ecommerce Copilot, a pluggable RAG intelligence layer (BGE-M3 embeddings, OpenRouter, FastAPI, React) with a Shopify App connector embedding an AI shopping assistant into client storefronts.

### Forward Deployed Engineer, Kore.ai (via Apxor)

Embedded, AWS

Jun 2025 – Mar 2026

Full-time

- Architected and built Kore.ai's entire production event analytics infrastructure from scratch as lead of a 3-person team, spanning ingestion, real-time processing, hot-cold storage, and Kubernetes/Terraform infrastructure on AWS.
- Built a Materializer service migrating legacy S3 Excel data into Kafka/ClickHouse, plus a Node.js SDK with a sidecar pattern for batching, retry, and guaranteed delivery.
- Engineered a high-concurrency Go Events Transformer consuming from Kafka, deduplicating via Redis Bloom Filters, and writing enriched payloads to ClickHouse using goroutines, channels, and WaitGroups.
- Owned the full Terraform infrastructure (EKS, S3, IAM, ALB, EFS) and deployed Kubernetes operators for Redis, ClickHouse, Kafka, and MongoDB via Tanka, with observability via Grafana, Prometheus, and Loki.
- Migrated 30 service CI/CD pipelines from monolithic Jenkins to Harness CI with reusable templates, reducing pipeline runtime from 30-60 minutes to a maximum of 10 minutes – a 3x to 6x speedup.

### Software Developer, Apxor Technology Solutions

Hyderabad, India

Jan 2023 – Aug 2025

Full-time

- Built core features of a no-code in-app nudging SDK serving 20 million daily active users across enterprise clients including Dream11, ICICI Bank, and Tanishq; earned the Best Employee Award twice.
- Designed Advanced View Finder, a modular UI-targeting system for Android, Jetpack Compose, and Flutter, and delivered Funnel Drop-off targeting that improved client funnel conversions by up to 24%.
- Led a 5-person team building Autotest, an AI-powered test automation platform with self-healing selectors and concurrent Go microservices using Kafka, ClickHouse, and Redis.

## OPEN SOURCE, HACKATHONS & PROJECTS

- Coral Project (SQL-over-APIs Runtime):** Merged Calendly and GCP Billing Budget community connector PRs (PR #1069, PR #1250); won the "Pirates of the Coral-bean" hackathon.
- Redrob Candidate Ranking (Jun 2026):** Built a 100K-candidate ranking pipeline in Go using batch-API MiniLM embeddings and LightGBM, scoring the full set in 8-15 seconds.
- Band AI Hackathon (Jun 2026):** Payments-fraud detection in Python — rule + ML hybrid for flagging suspicious transactions on the fly.
- Resume Forge** – LaTeX resume builder with live preview and export, built with React, FastAPI, and Python.
- cmdchef** – Terminal command manager with alias cookbooks, multi-profile Git/GCP support, fzf selection, 96 tests.

## EDUCATION & RECOGNITION

B.Tech, Computer Science Engineering – JNTU-GV, Vizianagaram (CGPA: 8.7)

Best Employee Award x2, Apxor Technology Solutions • Coral Hackathon PR Reward Winner

2019 – 2023