

SREEKUTTAN J S

+91 7902897455 ◇ India ,Kerala

sreekuttanjsmlpr@gmail.com ◇ [linkedin](#) ◇ [github](#) ◇ [channel](#)

SUMMARY

Software Engineer with 2 years of professional experience, including 1 year of Full-Stack development building robust Go (Golang) backend systems, and 2 years of expertise in building high-performance Flutter mobile applications. Experienced in designing concurrent telemetry ingestion pipelines, caching layers, and database schemas (PostgreSQL, Redis) while building modular, clean-architecture mobile frontends. Skilled in API integration (REST, gRPC), native platform channels, cloud deployments (Render, UptimeRobot), and publishing pipelines (Google Play Console, Shorebird OTA). Proficient in using Agentic IDEs (Antigravity, Amazon Kiro) to accelerate production delivery.

EDUCATION

Bachelor of Information Technology

2020 – 2024

Government Engineering College Barton Hill, APJ Abdul Kalam Technological University

Kerala, India

CGPA: 7.23 / 10.0

SKILLS

Languages	Go (1 year), Dart, SQL
Frontend Framework	Flutter (Mobile: Android, iOS - Riverpod, GoRouter, Dio)
Backend	Go Channels/Concurrency, gRPC, REST APIs, VerneMQ (MQTT Broker)
Databases & Cache	PostgreSQL, Redis, SQLite
Payments & Auth	Firebase Auth, Google Play Billing, Razorpay SDK
Tools & Deployment	Render, UptimeRobot, Docker, Git, Google Play Console, Shorebird (OTA)
AI & LLMs	Simple RAG (Retrieval-Augmented Generation) System, Gemini, Claude, and Codex
Agentic IDEs	Antigravity, Amazon Kiro
Learning / Eager to Learn	DevOps (GitHub Actions, AWS EC2, S3, Terraform, Docker)

EXPERIENCE

Full-Stack Developer (Go & Flutter)

Aug 2024 – Aug 2026

Sahas Labs Private Limited

Kolhapur, Maharashtra

- Engineered and maintained full-stack architectures, writing modular Go (Golang) backend microservices and responsive Flutter mobile applications.
- Developed and optimized gRPC and REST APIs to facilitate low-latency, secure communication between client applications and backend systems.
- Designed high-throughput Go telemetry ingestion pipelines using memory channel buffers to ingest stream feeds from VerneMQ MQTT brokers into PostgreSQL.
- Integrated Firebase Authentication for user credential validation and implemented database query caching strategies with Redis.
- Optimized Flutter Riverpod state management by reducing unnecessary widget rebuilds and improving app responsiveness.
- Managed end-to-end deployment pipelines, hosting backend services on Render, publishing builds on Google Play Console, and integrating Shorebird OTA hot patches.
- Mentored team members, conducted code reviews, and enforced best-practice clean code standards across back-end and frontend repositories.

PROJECTS

Educational App (Flutter, Go, PostgreSQL, Redis, Gemini LLM, Simple RAG, Google Play Billing, Razorpay, Render, UptimeRobot)

Developed a full-stack educational learning platform for Android. Implemented clean application routing using GoRouter and structured state management using Flutter Riverpod. Utilized Dio for robust backend API communication and Redis for query caching. Engineered a Redis-based pipelined rate limiter on the Go backend to optimize concurrent request handling, resulting in 40% faster API response times under load. Built a conversational AI chatbot powered by a simple RAG (Retrieval-Augmented Generation) system and Gemini LLM. Deployed the backend and PostgreSQL database on Render, setting up UptimeRobot monitoring to prevent server sleep cycles, and integrated Google Play Billing/Razorpay to handle subscription monetization and legacy client transactions.

[Play Store Link](#)

KEAM Rank Analyzer (Ollama, Gemini API, PostgreSQL)

Developed a web platform ([Link](#)) for students preparing for the KEAM entrance exam to analyze historical last rank details. Engineered an automated data extraction pipeline utilizing Ollama and the Gemini API to parse unstructured official PDFs published by CEE. Structured and ingested the extracted data into a PostgreSQL database to facilitate complex analytical querying and rank insights.

IoT Telemetry Ingestion & Device Management System (Go, VerneMQ MQTT, PostgreSQL, x509, Docker)

Developed a robust Go backend to manage an admin panel tracking device usage and system metrics. Generated x509 certificates for secure device onboarding. Migrated telemetry ingestion from an HTTP webhook model to a high-throughput VerneMQ MQTT broker, designing a concurrent Go pipeline with memory channel buffers to handle high traffic per second and safely batch-insert data into PostgreSQL.

IoT Feature Testing App (Flutter, Go, ESP32)

Designed and developed an IoT integration utility application. Built Bluetooth connectivity flows to interface with ESP32 microcontrollers. Integrated Google Maps API for tracking, visualized local sensor data, and developed a Go-based backend server to securely sync and store telemetry data in a cloud database.

Sand Mould Testing App (Flutter, BLE, Android Platform Channels)

Developed a Flutter-based mobile application to measure live sand hardness data for the metal industry. Created custom Android Platform Channels to establish low-level Bluetooth Low Energy (BLE) communication with testing hardware. Implemented real-time data capture, local storage, visualization, and data export for troubleshooting.

[Play Store Link](#)

Oil Sensor Monitoring App (Flutter, REST APIs, SQLite)

Developed a heavy machinery oil quality monitoring application. Designed a QR-based onboarding flow and engineered a background data sync manager to collect sensor data locally when offline. Implemented auto-cache, safe retry logic, and persistent background synchronization even after app termination, improving usability and scalability.

LEADERSHIP

- Led a development team and coordinated tasks to ensure timely delivery of application features.
- Acted as the technical anchor for Flutter development, mentoring peers, establishing clean-code standards, and resolving engineering bottlenecks.

HOBBIES & INTERESTS

Marathon Running, Calisthenics, Content Creation (Tech & Educational YouTube Channel), Exploring and Integrating New Technologies in Apps.