SARANKUMAR G

Full Stack Developer | Flutter · Node.js · React · FastAPI

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PROFILE

Full Stack Developer with 2+ years of experience delivering production-ready mobile and web applications. Hands-on expertise across Flutter (iOS & Android), Node.js/TypeScript, React/Next.js, FastAPI/Python, PostgreSQL, and cloud platforms (AWS, GCP, Firebase). Proven track record of building scalable backends, integrating third-party APIs, and shipping apps to both the Play Store and App Store.

PROFESSIONAL EXPERIENCE

Full Stack Developer — Neural Schema IT Feb 2026 – Present

- Building full stack mobile and web applications using Flutter, React/Next.js, and FastAPI/Python.
- Developing and integrating RESTful APIs with complex business logic and database design.
- Working with PostgreSQL for database architecture including stored procedures and query optimization.
- Integrating cloud services including AWS and third-party APIs for enterprise-grade features.
- Collaborating on end-to-end delivery from UI to backend across multiple client projects.

Mobile App Developer — Digisailor Nov 2023 – Jan 2026

- Developed and maintained multiple production-level Flutter applications with pixel-perfect UI.
- Built backend modules using Node.js + TypeScript with TypeORM and PostgreSQL.
- Designed REST API structures and business logic for scalable features.
- Integrated Firebase services, Razorpay payment gateway, and third-party APIs.
- Implemented state management using Provider, GetX, and Riverpod.
- Deployed and maintained apps on Google Play Store and Apple App Store.

TECHNICAL SKILLS

Mobile: Flutter, Dart — iOS & Android, Play Store & App Store deployment

Frontend: React, Next.js, HTML/CSS, Material Design

Backend: Node.js, TypeScript, TypeORM, FastAPI, Python, REST APIs, Clean Architecture

Databases: PostgreSQL, Firebase Firestore, MongoDB, Supabase, SQLite (Drift)

Cloud & DevOps: AWS (S3, MediaConvert, EventBridge), Google Cloud Platform, Firebase

State Management: Riverpod, GetX, Provider, BLoC

Tools: Git, GitHub, VS Code, Android Studio, Xcode, Postman, PM2

PROJECTS

Sports Booking App (client project)

Flutter · Riverpod · Firebase · Razorpay | Play Store & App Store

- Production sports management app for court booking, match joining, and player profile management.
- Integrated Razorpay payment gateway and FCM push notifications for real-time alerts.
- Deployed on both Google Play Store and Apple App Store with smooth multi-device performance.

Android: Play Store iOS: App Store

Weather Monitoring App (client project)

Flutter · GetX · Firebase · Google Maps · REST APIs | Play Store & App Store

- Developed a weather monitoring app for a government environmental authority to track environmental data in real-time and historical formats.
- Built dynamic chart dashboards and map-based station views for visualizing weather parameters like temperature, humidity, and rainfall.
- Integrated Firebase push notifications for alert threshold breaches and station offline events.

Android: Play Store iOS: App Store

CRM Backend System

Node.js · TypeScript · TypeORM · PostgreSQL

- Developed scalable backend architecture for CRM quotations, products, BOM structures, and pricing workflows.
- Built REST APIs for quotation and product modules with JWT auth and role-based access control.
- Optimized query performance using TypeORM relations and pagination.

Bin Tracking & Management System

Flutter · Firebase · Google Maps · Flutter Web Admin

- Flutter mobile app for drivers to track and report bin installations with GPS-based automatic location capture.
- Integrated Google Maps for live monitoring of bin locations and driver movement.
- Built a Flutter Web Admin Panel for supervisors to review and manage installation records.

PERSONAL PROJECTS (details and live demos at sarankumar.dev)

- **NallHub** — school management app (admin, teacher and parent roles; English and Tamil) on Flutter and Supabase, with row-level security per school and 447 automated tests.
- **FinWise** — offline-first finance tracker (Flutter, Drift) that syncs across a person's own devices via Supabase or Google Drive; 300+ automated tests.
- **Nirai** — offline-first to-do app (Flutter, Drift) that syncs through the user's own Google Drive, with no server.
- **Clean Scanner** — offline document scanner with on-device OCR and no network calls for core features (Flutter, ML Kit).
- **Coin18** — crypto research app (Flutter, GetX) with its own Node.js/Express API that caches data and keeps provider keys off the device.

EDUCATION

B.Sc Computer Science

Sri S. Ramasamy Naidu Memorial College, Sattur