

Gowtham J

React Native Developer | Android & iOS Engineer

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Tamil Nadu, India | Open to Relocation | Portfolio

Professional Summary

React Native Developer with 3.5+ years of experience architecting production-grade cross-platform mobile apps for Android and iOS, delivering government-scale edtech platforms serving 800K+ users across India and Ethiopia. Led a 4-engineer team through end-to-end delivery of offline-first, real-time, and AI-powered features using React Native New Architecture (Fabric & TurboModules), native Swift/Kotlin modules, and encrypted media systems. Strong track record shipping to the Play Store and App Store, optimizing performance (crash rate, startup time, frame rate), and driving measurable business impact through scalable architecture decisions.

Technical Skills

- **Languages & Core:** JavaScript, TypeScript, Java, Swift, Kotlin
- **Frameworks:** React Native (New Architecture – Fabric, TurboModules), Expo, ReactJS, Redux Toolkit, Zustand, TanStack Query, WatermelonDB
- **Native & Performance:** Native Modules, ExoPlayer, AVFoundation, Hermes, App Size & Startup Optimization
- **Backend & Realtime:** Firebase, Socket.IO, RabbitMQ, REST APIs, GraphQL (basics)
- **Storage & Security:** MMKV, SQLite, React Native Keychain, AES Encryption
- **AI & Payments:** LangChain, MCP Architecture, OpenAI API, Razorpay
- **Platforms & Tools:** Android Studio, Xcode, AWS, Git, Jira, CodePush, Jest, Firebase Crashlytics, CI/CD pipeline

Work Experience

Resbee Info Technologies Pvt Ltd

Oct 2024 – Present

React Native Developer | Nagercoil, Tamil Nadu

- Led a cross-functional team of 4 engineers, setting architectural standards and running Agile/Scrum sprint delivery for government and enterprise clients serving 800K+ users across India and Ethiopia at 99.5% uptime.
- Designed offline-first sync architecture (TanStack Query, WatermelonDB, Redux Toolkit, NetInfo), cutting data sync failures by 60% in low-connectivity regions.
- Built native video player modules (Swift/Kotlin) for encrypted MP4/MP3/M3U8 playback; published as reusable NPM packages with 5k+ downloads.
- Shipped AI-powered features (LangChain, MCP, OpenAI API) that cut average student query resolution time by 40%.
- Migrated apps to React Native New Architecture (Fabric & TurboModules) and tuned Hermes/rendering, reducing startup time by 45%, crash rate by 70%, and raising frame rate from 45 to 60 FPS.

Radaz Technologies Pvt Ltd

Mar 2023 – Oct 2024

React Native Developer | Coimbatore, Tamil Nadu

- Delivered 3 production Android/iOS apps across IoT and e-commerce domains, including real-time ESP32/MQTT device monitoring that cut alert response time by 50%.
- Integrated Google Maps SDK for live tracking and geolocation workflows supporting 10K+ daily active users.
- Replaced manual release process with CodePush OTA updates, reducing hotfix deployment time from 2 days to under 2 hours.
- Optimized list rendering (FlatList, memoization), cutting render time by 35% and eliminating dropped frames on low-end Android devices.

Key Projects

MAAZTER & e-Khool LMS (Tamil Nadu & Assam Government) — Architected offline-first LMS platforms for 200K+ and 50K+ students respectively; built live exam systems for 5k+ concurrent users and AES-encrypted local storage that passed government security audit. *React Native, Firebase, WatermelonDB, Socket.IO*

AAEB School & TVET Platform (Ethiopian Government) — Led multi-role LMS development for 800K+ users across 10+ languages with i18n/RTL support and AWS-backed content delivery at sub-200ms notification latency. *React Native, AWS, i18n*

Suya Mobiles (E-commerce Platform) — Built User/Admin/Sub-Admin apps in a single role-based codebase, reducing APK size 67% (60MB → 20MB) and lifting Play Store rating from 3.2 to 4.4. *React Native, Razorpay, Google Maps SDK*

Education

B.E. Civil Engineering — Kongu Engineering College, Erode

2022 | GPA: 7.77/10

Certifications

React Native Developer – Udemy (2023) | Apple Deployment & Management – Apple Inc. (2024) | Google Play Store Listing – Google Play Academy (2025) | Modern Android App Architecture – Google Developer Program (2026) | AWS Certified Cloud Practitioner (in progress)