

MRITUNJAY SAHA

React Native Engineer

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PROFESSIONAL SUMMARY

React Native Engineer with 4+ years of experience architecting and shipping production-grade consumer mobile applications across quick-commerce and zero-knowledge encrypted platforms. Scaled Piazza's quick-commerce app from MVP to 30K+ monthly installs, 2.2K+ DAU, and Rs.3L+ daily GMV with 99.5%+ Android and 99.9%+ iOS crash-free rates. Core expertise in custom Kotlin/Swift native modules, low-end device performance profiling, and AI-assisted development workflows.

TECHNICAL SKILLS

- **Languages & Native:** TypeScript, JavaScript (ES6+), Kotlin, Swift, Node.js
- **Mobile Core & Engine:** React Native (New Architecture, TurboModules), Expo, Expo Router, Hermes Engine, Native Modules, Expo Modules
- **Web & Build:** React.js, Next.js, Vite, Webpack, Tailwind CSS
- **Architecture & State:** Redux Toolkit, RTK Query, Zustand, WebSockets, Offline Persistence (redux-persist), FlashList, Reanimated
- **Performance & Releases:** Hermes Profiling, Memory Leak RCA, Android Studio, Xcode, Play Core, ProGuard/R8, ABI Split, EAS Build/Update (OTA), CI/CD
- **Observability & AI:** Firebase Crashlytics, PostHog, AppsFlyer, Singular, Metabase, Sentry, Cursor, Claude, ChatGPT

PROFESSIONAL EXPERIENCE

Plazza | [SDE-II \(React Native\)](#) • [Play Store](#) • [App Store](#)

Bengaluru, India | May 2025 – August 2026

Tech Stack: *React Native, Expo, TypeScript, Redux Toolkit, Kotlin, Swift, Firebase, EAS, WebSockets*

- **Scaled Consumer Mobile Platform:** Led mobile architecture and end-to-end development of Piazza's consumer app from MVP to scale, scaling to 30K+ monthly installs, 2.2K+ DAU, 500+ daily orders, and Rs.3L+ daily GMV across Android and iOS.
- **Runtime Performance & Cart Optimization:** Engineered debounced optimistic cart mutations with RTK Query normalized caching; replaced legacy list rendering with FlashList and asset prefetching, sustaining 60 FPS scrolling on budget Android devices.
- **Shipped 'Order With AI' Prescription Flow:** Architected an end-to-end prescription ingestion pipeline allowing users to upload prescriptions, view extracted medicine quantities in real time, and proceed directly to checkout, reducing friction in the prescription-to-order flow.
- **Standardized Analytics Pipeline (Metadex SDK):** Designed and built Metadex, an in-house mobile analytics SDK that standardized event batching, payload validation, and attribution across Firebase, PostHog, and BigQuery, unifying telemetry for discovery-to-checkout funnels.
- **Engineered Custom Native Bridges:** Built custom Expo/Native modules in Kotlin and Swift for platform-specific capabilities; resolved complex New Architecture (Fabric/TurboModules), Hermes bytecode compilation, and dependency injection issues in release builds.
- **Automated In-App Adoption:** Implemented a native Android Play Core in-app update module for Expo with backward-compatibility fallbacks, driving critical release adoption to 90%+ within 48 hours and preventing checkout drop-offs from breaking API migrations.
- **Production Stability & Profiling:** Owned crash RCA across the hybrid stack using Firebase Crashlytics and CPU/memory profiling; sustained 99.5%+ crash-free Android users and 99.9%+ crash-free iOS users across aggressive release cycles.
- **Release Engineering & Ops Dashboard:** Configured EAS Build/Update OTA pipelines with automated ABI splitting and ProGuard shrinking; built an internal ops dashboard (React, TypeScript, Tailwind, WebSockets) to streamline live order dispatch and rider assignment.

Ziroh Labs | [Member of Technical Staff \(Frontend Developer\)](#)

Bengaluru, India | June 2022 – April 2025

Tech Stack: *React Native, React.js, TypeScript, Electron.js, Redux Toolkit, Zustand, NativeWind*

- **Zero-Knowledge Messaging Architecture:** Engineered frontend architecture for Zunu Message across mobile (React Native) and desktop (Electron), implementing offline-first syncing, secure local storage, and end-to-end encrypted thread management.
- **Product Pages & Web Platform:** Built and maintained Ziroh Labs product pages using Next.js and React, developing reusable components and responsive interfaces while integrating product and backend data.
- **State Architecture & Profiling (Zunu Notes):** Migrated multi-channel chat state to Zustand, eliminating redundant component re-renders and reducing client memory footprint by ~25% during 1,000+ message thread synchronizations; developed Zunu Notes with NativeWind for low-latency offline editing.

EDUCATION

B.Tech in Computer Science & Engineering | North Eastern Regional Institute of Science & Technology (NERIST) | [2018 – 2022](#) • [CGPA: 9.32 / 10](#)