

Deep B. Chhatbar

React Native Developer | Mobile Engineer

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Summary

React Native developer with **3.5 years** of experience building cross-platform mobile applications for enterprise and consumer markets. Shipped **12+ production Android/iOS apps** including 8 enterprise apps serving **1,000+ users** across field service, supply-chain, IoT, and e-commerce domains. Specialized in **native Android modules** (Kotlin), **BLE/IoT integration**, **offline-first architecture**, and **background services**. Proven track record of end-to-end delivery from architecture through Play Store and App Store deployment.

Technical Skills

Languages	TypeScript, JavaScript, Kotlin, HTML/CSS
Mobile	React Native, Expo, React Navigation, New Architecture, Turbo Modules, Fabric
Native Android	Foreground Services, Background Processing, Native Modules, Location Services
IoT & Hardware	RFID(Read and write), Bluetooth Low Energy (BLE), WiFi TCP Sockets
State Management	Redux Toolkit, Redux Persist, MMKV, TanStack Query
Backend & APIs	Node.js, REST APIs, WebSockets, Frappe/ERPNext
Web	React.js, Next.js, TanStack Start
DevOps & Delivery	GitHub Actions, CI/CD, Docker, Fastlane, OTA Updates
Platforms & Tools	Android Studio, Xcode, Google Play Console, App Store Connect, Figma Plugin Development

Work Experience

Giriraj Digital

Software Engineer — React Native

Ahmedabad, India
May 2025 – July 2026

- Delivered **8 production React Native applications** across field service, supply chain, CRM, IoT manufacturing, HR, spiritual content, and e-commerce domains, serving **1,000+ enterprise users** on Android and iOS.
- Architected a **cross-project foundation layer** comprising reusable Redux architecture, shared component library, and API middleware package (distributed via `yalc`), adopted across **3+ concurrent projects**, reducing project bootstrap time by **40%**.
- Engineered **continuous native location tracking** across foreground, background, and terminated app states with offline buffering and automatic synchronization, enabling reliable route tracking for **100+ field agents** in low-connectivity environments.
- Designed a **resilient offline-first synchronization pipeline** with local persistence, automated retry queues, and server acknowledgment, ensuring reliable location synchronization without data loss across unstable networks.
- Integrated **Firebase Crashlytics** and **Sentry** across production applications, enabling real-time crash reporting, stack trace analysis, and faster diagnosis of production issues.
- Developed a **high-reliability attendance system** using multiple location providers with intelligent indoor/outdoor fallback and **ML Kit OCR**, improving location verification reliability in GPS-constrained environments.
- Developed an **Android native call overlay** using foreground services and system-level overlays, enabling real-time caller context even when the application was not running.
- Resolved a critical **production performance bottleneck** by migrating from **AsyncStorage** to **MMKV**, introducing backend pagination, optimizing rendering with **FlashList**, and improving responsiveness for datasets exceeding **10K records**.
- Standardized state management across **100+ Redux slices** by designing a reusable generic slice factory, improving maintainability and reducing boilerplate across multiple enterprise applications.
- Integrated **Razorpay** for e-commerce checkout and **CCAvenue** for donation payments through secure native and WebView-based payment workflows.
- Implemented **Expo OTA Updates** to deliver JavaScript fixes and feature updates without requiring Play Store releases, significantly reducing production hotfix turnaround.

Silent Infotech Pvt. Ltd.

Programmer Analyst — Frontend(React/React Native)

Ahmedabad, India
Jan 2023 – Apr 2025

- Led **end-to-end development** of a subscription-based clothing marketplace in React Native — from architecture through Play Store deployment; onboarded **500+ early users** within the first quarter.

- Optimized a **cloud-based algorithmic trading platform** (SpeedBot) — delivered option builder, equity builder, code bot builder, and option chain modules; reduced **bundle size by 50%** through code splitting and lazy loading, improving app launch time by **35%**.
- Migrated a legacy **Ionic ERP application to React Native**, introducing Redux Toolkit for state management and offline-first architecture; decreased page load times by **60%** and eliminated data sync failures.
- Launched a **cross-platform Expo app** (Android, iOS, Web) with a dedicated NPM package encapsulating API services, Redux Persist state, and modular UI components (kanban, tree, form views); reduced code duplication across platforms by **70%**.

Notable Projects

Industrial IoT Weight Capture Platform *React Native · Redux Toolkit · BLE · WiFi TCP · Vision Camera*
Field application replacing paper-based weight logs on production floors with live IoT scale integration.

- Engineered a **unified IoT connectivity layer** abstracting BLE and WiFi TCP protocols into a single interface; enabled seamless weight capture from industrial scales, eliminating **100% of manual data entry** on production floors.
- Implemented a **weight stabilization algorithm** with 800ms stability timer and hash-based deduplication; prevented noisy readings from entering records, achieving **99.5%+ data accuracy** in production logs.
- Architected an **offline-first sync system** with local queue storage and sequential server reconciliation; ensured uninterrupted operation during network outages, processing **500+ weight entries daily** without data loss.
- Consolidated **4 distinct production stages** (each with unique lot schemas, validation rules, and API surfaces) into stage-agnostic screen components; reduced codebase size by **40%** and accelerated new-stage onboarding.
- Streamlined **worker and lot assignment** via QR code scanning with Vision Camera; cut per-shift setup time by **60%** compared to manual badge entry.

Prompt to Figma *TypeScript · Figma Plugin API · LLM APIs · Node.js*
AI-powered Figma plugin converting natural-language prompts into production-ready design components.

- Developed a TypeScript **rendering engine** supporting 8 node types with full styling, gradients, Auto Layout, and a two-pass hierarchy builder; enabled generation of production-ready Figma components from a single text prompt.
- Designed a **CORS-free bridge pattern** routing AI requests from the UI iframe to the main thread for secure fetch and `figma.clientStorage` persistence; eliminated cross-origin failures, ensuring **100% request reliability**.
- Established a **Node.js smoke-test suite** in a sandboxed VM harness; validated bridge integrity, enforced no-direct-fetch constraints, and verified request/response correlation — achieving **100% pass rate** across CI runs.

Education

Bachelor of Engineering — Information Technology *Bhavnagar, Gujarat*
Shantilal Shah government Engineering College (SSGEC) *2019 – 2023*

CGPA: 8.0 / 10.0

Key Strengths

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- **React Native New Architecture** — shipped production apps leveraging Turbo Modules, Fabric renderer, and JSI bindings for near-native performance.
 - **Native Android Expertise** — delivered Kotlin foreground services, BroadcastReceiver, WorkManager, and Room DB integrations across **5+ production apps**.
 - **IoT & Hardware Integration** — connected industrial BLE/WiFi TCP scales, RFID Tag reading and writing using Cilico Device.
 - **Offline-First Architecture** — guaranteed zero data loss with local queuing, sequential drain, and server acknowledgment systems serving **100+ users** in rural environments.
 - **CI/CD & Store Deployment** — maintained GitHub Actions pipelines, OTA update delivery, and end-to-end release management across **12+ Play Store and App Store apps**.