

PREMESHANKAR SHAH

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PROFESSIONAL SUMMARY

Senior React Native Developer with **5+ years of experience** architecting and delivering scalable, high-performance mobile applications across **iOS and Android** platforms. Proven expertise in leading end-to-end development cycles from concept and architecture through deployment and post-launch optimization using **React Native, Expo, Redux Toolkit, Typescript, and the MERN stack**. Demonstrated success integrating complex payment gateways (Adyen, Stripe, IAP), building offline-first architectures, and establishing CI/CD pipelines that cut release cycles by 50%. Track record of improving app performance by up to 70%, mentoring engineering teams, and publishing 5+ production applications serving millions of users on the Apple App Store, Google Play Store, and Adyen Store.

SKILLS

Languages:	JavaScript (ES6+), TypeScript, HTML5, CSS3, Swift / Kotlin (Native Bridging)
Frameworks:	React Native, React.js, Expo, Next.js, Node.js, Electron
State Management:	Redux Toolkit, Context API, React Query, Zustand
APIs & Data:	RESTful APIs, GraphQL, Axios, WebSockets
Mobile Platforms:	iOS (Xcode), Android (Android Studio), Custom Native Modules, IAP
Databases:	MongoDB, Firebase Firestore, SQLite, Realm, WatermelonDB
DevOps & CI/CD:	Git, GitHub Actions, Fastlane, Jest, Postman, Performance Profiling
Payment SDKs:	Adyen SDK, Stripe SDK, In-App Purchases (IAP)
AI Tools:	GitHub Copilot, Antigravity, ChatGPT, AI-assisted development, intelligent code generation, automated refactoring, prompt engineering

WORK EXPERIENCE

Searce Inc

Senior Software Engineer

January 2024 – Present

- Promoted to Senior Software Engineer for demonstrating strong technical leadership and architectural ownership across multiple mobile initiatives.
- Led development and delivery of **5+ production-grade React Native applications** deployed on the Apple App Store, Google Play Store, and Adyen Store, ensuring compliance with platform standards.
- Architected an **enterprise-scale offline-first EPOS platform** using **React Native** and **Node.js**, supporting **500+ retailers** with 100% cross-platform compatibility.
- Engineered a robust **offline-first architecture** using **SQLite (WatermelonDB)** with a **custom sync engine**, achieving **99.9% system reliability** and improving transaction success rates by **60%** in low-connectivity environments.
- Integrated **Adyen** and **Stripe** payment solutions, reducing transaction processing time by **30%** and increasing payment reliability by **25%**.
- Built custom **Native Android (Kotlin) and iOS (Swift) modules** for payment terminal and hardware integrations, improving transaction efficiency by **40%** and enabling low-latency device communication.
- Designed and delivered key applications including a **Kitchen Display System (KDS)** for real-time order management and a **merchandising app** with barcode scanning, cart, and end-to-end order lifecycle workflows.
- Established **CI/CD pipelines** using **GitHub Actions** and **Fastlane**, reducing deployment time by **50%** and enabling reliable, zero-downtime releases.
- Improved application performance by up to **70%** through profiling, memory optimization, modular refactoring, and lazy loading techniques.
- Integrated AI-powered development workflows using GitHub Copilot and Antigravity for code generation, debugging, and refactoring, improving code quality and reducing development cycles by **25%+**.

MindInventory

Software Engineer

April 2022 – January 2024

- Architected and scaled **4+ production mobile applications** using React Native and Expo, achieving **98% customer satisfaction** across iOS and Android.
- Optimized application memory usage and responsiveness, reducing critical **crash rates by 20%** and improving app store ratings from 3.8 to 4.6.

- Managed end-to-end SDLC for **10+ major app releases** with a **100% on-time delivery** record using agile sprints and JIRA-based project tracking.
- Contributed to internal **React Native open-source libraries** (react-native-skia-components, react-native-awesome-clock), boosting library performance by **15%** and reducing memory usage by **10%**.
- Mentored 3 junior engineers on React Native best practices, component architecture, and Typescript adoption, accelerating their productivity ramp-up by 40%.
- Established **Jest-based unit and integration testing** standards, achieving 80%+ code coverage across flagship projects and reducing the QA cycle time by 30%.

Shine InfoSoft — Technology Meets Solution

React Native Developer

July 2021 – April 2022

- Delivered cross-platform mobile and desktop applications using **React Native** and **Electron**, successfully onboarding **2,500+ users** within the first month post-launch.
- Integrated **Firebase** (Firestore, Analytics, Crashlytics) to improve app stability, reducing production bug reports by **30%**.
- Introduced high-engagement UI features and intuitive navigation flows, increasing user retention and average session duration by **25%**.
- Streamlined agile development processes by introducing reusable component libraries, reducing feature development time by **15%**.

KEY PROJECTS

EPOS System

React Native, Node.js, Adyen, MongoDB Realm, Thermal Printers

- Architected an enterprise-scale offline-first EPOS platform for **500+ retailers** with custom sync engine and real-time order processing, achieving **99.9% system reliability**.
- Integrated Adyen payments and thermal printer workflows, reducing transaction failures by **20%** and improving operational efficiency.

Arcade Live — IoT Gaming Platform

Expo, React Native Web, IoT, In-App Purchases

- Built a cross-platform gaming platform serving **25,000+ active users**, enabling remote arcade machine control via real-time video streaming.
- Integrated **IoT device management** and In-App Purchases (IAP), increasing platform revenue by **20%**. [arcadelive.com]

Secret World — Travel Guide App

React Native, Stripe, IAP, Mapbox, Redux Toolkit

- Built a subscription-based travel guide app with **10,000+ active users**, integrating Mapbox navigation and Stripe/IAP for premium content monetisation.
- Optimised state management with **Redux Toolkit**, reducing initial load times by **15%** and improving navigation responsiveness.

Remote Examination Platform

React Native, Electron, Azure, SQLite, Canvas API

- Delivered a secure remote exam platform for **2,000+ students** featuring real-time face detection, screen capture, and audio proctoring.
- Reduced administrative workload by **30%** through automated scheduling, secure question paper distribution, and SQLite-backed offline storage.

EDUCATION

Government Engineering College

Bachelor of Engineering in Information Technology

Modasa, Gujarat

June 2017 – June 2021

OPEN SOURCE & COMMUNITY

React Native Boilerplate [npm] — Architected a production-ready boilerplate saving **15+ hours** of project setup time; optimised pre-configured architecture reduced memory overhead by **10%**.

Library Contributions — Resolved **20+ issues** across **5+ repositories** including [react-native-skia-components] and [react-native-awesome-clock], directly improving performance and developer experience for the React Native community.