

Nikhil Pakhloo

React Native Developer | 2.5 Years Experience | iOS & Android

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Professional Summary

React Native Developer with 2.5 years of experience building and shipping production mobile applications for iOS and Android, serving 25K+ users. Open source contributor to React Native Core (Meta) and LangChain.js, with contributions reviewed and approved by project maintainers. Experienced in React Native New Architecture (Fabric, TurboModules, JSI), Clean Architecture, MVVM, offline-first applications, real-time systems, CI/CD, push notifications, and performance optimization. Skilled in delivering scalable mobile solutions, debugging complex platform-specific issues, and integrating AI-powered features using LangChain, RAG, LLMs, vector databases, and semantic search.

Experience

React Native Developer, Codingzone Solutions (Agency) – Mohali, PB Feb 2026 – Present

- Reduced app crash rate by 30% by identifying and fixing memory leaks from uncleaned event listeners, FlatList over-rendering, and image caching issues across 2 React Native MVPs
- Shipped community and social app MVPs end-to-end, owning UI implementation, REST API integration, and app store submission for both iOS and Android; managed release pipelines via Google Play Console and TestFlight
- Automated Android build and release workflows using Gradle and GitHub Actions, streamlining CI/CD and reducing manual release effort across environments

React Native Developer, Psquare – Mohali, PB May 2025 – Jan 2026

- Built offline-first authentication and attendance tracking system for Suryacon (500+ field agents) using SQLite, ensuring reliable operation in low-connectivity environments
- Implemented real-time technician location tracking via Socket.IO and push notification system (Notifee) in Massaed, an elevator maintenance app for 2,000+ users, reducing average field response time by ~25%
- Wrote and maintained Jest unit tests for reusable utilities, state management logic, and critical app workflows to improve regression safety

React Native Developer, Primotech – Mohali, PB Dec 2023 – Apr 2025

- Engineered core features for Figure1, a collaborative medical network that grew to 25K+ active users – including a push notification system (Notifee), face recognition-based identity verification, and a post search system with keyword and filter support
- Improved app store rating from 4.0 to 4.6 through targeted bug fixing, performance improvements, and UX enhancements; built content sharing functionality that increased user engagement by 40%
- Worked with React Native internals and New Architecture concepts including Fabric, TurboModules, and JSI while debugging Android and iOS platform-specific issues

Open Source Contributions

React Native Core, Meta PR #57271

- Fixed incorrect Android logical border-radius mapping for `borderEndStartRadius` and `borderStartEndRadius` in React Native Core, aligning Android behavior with iOS and CSS specifications
- Updated unit tests and validation coverage; collaborated with Meta engineers during code review
- Successfully merged into the React Native main branch after maintainer approval

LangChain.js PR #11090

- Added support for streaming OpenAI Responses API built-in tool progress events for Web Search, File Search, and Image Generation
- Implemented lifecycle event handling for `in_progress`, `searching`, `generating`, and `completed` states, enabling real-time UI updates during streaming
- Added converter test coverage and collaborated with maintainers through review and approval process

Projects

Personal Project

RAG-Based AI Document Assistant

GitHub

- Built a production-ready AI Document Assistant using LangChain, Gemini, Pinecone, Vector Embeddings, Semantic Search, and Retrieval-Augmented Generation (RAG), enabling natural language querying over enterprise documents with sub-2s response time
- Designed a chunking and indexing strategy to optimise retrieval latency and response quality, making the pipeline suitable for production use

Company Projects

Figure1

Live

- Built a collaborative medical network for 25K+ active users using React Native, Firebase, and Expo SDK; integrated Deep Linking and Universal Links for seamless in-app navigation from external sources
- Integrated Notifee for real-time push notifications and built face recognition-based identity verification, improving trust and session frequency
- Wrote Detox E2E tests covering critical user flows including authentication, post creation, and notification handling, reducing regression risk across iOS and Android

Massaed

Live

- Developed a service-based elevator maintenance app for 2,000+ users using React Native, enabling issue reporting, real-time status tracking, and technician booking
- Implemented real-time technician location tracking via Socket.IO and built check-in/check-out workflows, reducing average maintenance response time by ~25%; monitored crash reports and error trends using Sentry

Suryacon

Live

- Built a field agent attendance and workflow app for 500+ users using React Native CLI, Redux Toolkit, and Socket.IO for real-time location tracking
- Implemented offline-first authentication and data sync using SQLite, maintaining ~99% reliability in low-network field environments

Gatef8

Live

- Developed a geo-location based airport networking app using React Native, enabling real-time discovery of active nearby travellers
- Implemented live user activity tracking and location-based matching to drive in-app engagement within airport zones
- Configured Fastlane for automated build and release pipelines; integrated Sentry for real-time crash reporting and error monitoring across iOS and Android

Education

Sri Sai University, Bachelor of Technology in Computer Science & Applied Mechanics

Sept 2014 – May 2018

Technologies

Languages: JavaScript, TypeScript, Python, Kotlin

Mobile: React Native, Expo SDK, React Navigation, Redux Toolkit, Zustand, Context API, Android Studio, Xcode, Socket.IO, Notifee, FCM, SQLite, Face Recognition, Deep Linking, Universal Links

React Native Internals: Fabric, TurboModules, JSI, React Native New Architecture, Native Modules, Hermes Engine

Architecture & Testing: Clean Architecture, MVVM, Jest, Detox, Unit Testing, E2E Testing, Modular Code Structure, Performance Optimisation, Performance Profiling, React DevTools

AI / ML: Retrieval-Augmented Generation (RAG), Large Language Models (LLMs), Generative AI, Vector Databases (Pinecone), Text Embeddings, OpenAI API, Prompt Engineering, Semantic Search

Backend & Services: REST APIs, Firebase, Express.js, Sentry

Tools & Practices: Git, Gradle, GitHub Actions, Fastlane, CI/CD, Agile, Google Play Console, TestFlight, App Signing, Release Management, Cross-Platform Development