Ayyun Ramzan

Senior Full-Stack Mobile & Web Engineer

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SUMMARY

Senior full-stack mobile and web engineer with 5+ years shipping high-performance cross-platform apps with React Native, Expo, and Vue 3 + Capacitor, alongside modern scalable backends using Next.js (App Router), Prisma, and PostgreSQL. Focused on native-feeling experiences, performance profiling, scalable state architecture, robust backend systems, AI integrations, and automated releases across iOS, Android, Web, App Store, Google Play, and Vercel. Machine Learning background with experience in model evaluation, prompt engineering, LLM API workflows, pgvector, and Python AI scripting.

SKILLS

Mobile & Cross-Platform: React Native, React, React Native Web, Expo, Capacitor (iOS/Android), Reanimated, Hermes, Native Modules

Languages: TypeScript, JavaScript (ES6+), JSX, Node.js, HTML5, CSS3

Web & Full-Stack: Next.js (App Router), React Server Components, Vue 3 (Composition API), Vite, Tailwind CSS, NativeWind, PWA

Backend & Database: Prisma ORM, PostgreSQL, Supabase, RESTful APIs, GraphQL, Auth.js (NextAuth)

State Management: Redux Toolkit, RTK Query, Redux-Saga, React Query, Jotai, Pinia, Context API, Realm, SQLite

Real-time & Messaging: Stream Chat SDK, Sendbird, Twilio Video, WebSockets, Socket.IO, Firebase Realtime DB, FCM

AI & Machine Learning: Model Evaluation, Prompt Engineering, LLM API Workflows (Google Gemini, Claude, OpenAI), RLHF Logic Review, pgvector, Python AI Scripting

Payments & Auth: Auth.js (NextAuth), Stripe, PayPal, OAuth 2.0 / SSO, OTP

Testing & Release: Jest, Vue Test Utils, Playwright (E2E), GitHub Actions, EAS Build/Submit, TestFlight, OTA Updates, Code Signing, Provisioning Profiles

Monitoring & Tooling: Sentry, Firebase Crashlytics, Firebase Analytics, Google Maps SDK, Google Places API, Mapbox, Geolocation API, Formik, Yup, Postman, Flipper, React DevTools, Git

EXPERIENCE

Senior Front End Developer 23 Dec 2022 - 23 Oct 2026

Nextek Solutions, Lahore, Pakistan

Projects: SPiN, SPiN Sports Management, Buzzmi, Xanababy Sleep

- Led SPiN, SPiN Sports Management and Buzzmi from architecture to release, including code signing, TestFlight betas and staged rollouts.
- Cut manual release work over 50% with GitHub Actions and EAS pipelines that build, sign and submit every merge.
- Created a typed component library with shared design tokens, cutting UI development time by about 30%.
- Moved data fetching to RTK Query and React Query with de-duplication and caching, reducing repeat requests.
- Implemented Stripe and PayPal subscriptions and in-app purchases with server-side verification.
- Delivered features about 30% faster by using AI coding tools (Claude Code, ChatGPT, GitHub Copilot) for scaffolding, refactoring, test generation and code review.
- Set up Jest unit tests and Playwright E2E tests that run in CI before every merge; mentored junior developers and set code review standards.

React Native Developer 28 Nov 2021 - 18 Dec 2022

TRZ Technologies, Lahore, Pakistan

Projects: Palsome, Callings, Gifter

- Reduced the crash rate by about 40% and steadied frame rates in two production apps by fixing memory leaks in list rendering and event listeners, prioritized with Sentry and Firebase Crashlytics reports.
- Structured authentication, notification and paginated feed logic with Redux-Saga, including cancellation and retry.
- Added Firebase Cloud Messaging push notifications that deep-link to the relevant screen, improving re-engagement.
- Shortened sign-up with Google and Facebook login, Google Maps and in-app purchases, improving conversion.

- Wrote and documented shared UI components that several product teams adopted.

React Native Developer Apr 2021 - Nov 2021
Arcocia Tech Pvt Ltd, Lahore, Pakistan
Projects: Islam Hub, Akeed

- Built two client apps with UIs true to the designs and 60 fps animations, earning positive client feedback.
- Integrated Firebase for authentication, real-time sync, push notifications and analytics.
- Developed maps, navigation and location tracking with Google Maps and Mapbox.
- Introduced a modular project structure and coding conventions that helped new developers get productive sooner.

PROJECTS

SPiN | Sports Communication Hub App Store | Google Play

- All-sports social network with team and league management, shared calendars, and stats and scorecards for 20 sports.
- Built chat on the Stream Chat SDK with read receipts, threads and media, plus live notification, invite and chat badges over Socket.IO with network-aware reconnection.
- Wrote the GitHub Actions release workflow: Jest on every pull request, EAS builds, TestFlight and Play internal-track submission, and automatic version bumps.
- Added multiple profiles per login, event scheduling with calendar sync, and Google Places location search.

Tech: React Native, TypeScript, Redux Toolkit, RTK Query, Stream Chat, Socket.IO, Firebase, EAS, Sentry

SPiN Sports Management | Cross-Platform Admin App Live Site

- League, team and player administration, scheduling and live standings, written in Vue 3 and TypeScript and packaged for iOS and Android with Capacitor.
- Integrated Sign in with Apple and Google through Firebase Authentication, plus push notifications, camera, geolocation and haptics through Capacitor plugins.
- Released fixes through over-the-air updates without waiting for store review; web and native builds run in GitHub Actions on Terraform-managed infrastructure.

Tech: Vue 3, TypeScript, Pinia, Capacitor, Tailwind CSS, Vite, Firebase, FullCalendar, TipTap, Chart.js, Stream Chat

SPiN Sports Management Introduction | Web Live Site

Tech: Web

Buzzmi | Social and Wellness Platform

- Messaging and social app with cashback rewards, sharing one React Native Web codebase across iOS, Android and web, with reels and stories, fitness tracking, a wallet and event scheduling.
- Integrated Stripe subscriptions, Sendbird chat and voice/video calls, OTP sign-up, and Google and Apple login.

Tech: React Native, React Native Web, NativeWind, Jotai, React Query, Formik, Yup, Firebase, Stripe, Sendbird, Realm

Xanababy Sleep | Baby Sleep Tracking App Google Play

- Made sleep tracking more reliable by fixing timer bugs, and improved stability by resolving performance bottlenecks.

Tech: React Native

Palsome | Social Media App | 100K+ downloads on Google Play App Store | Google Play

- Infinite-scroll feeds with pagination, real-time notifications, and Google, Facebook and Apple login.
- Managed feed, notification and messaging state with Redux-Saga, and monetized premium features with Stripe.

Tech: React Native, Redux-Saga, REST APIs, Firebase, Stripe

Callings | Palsome's Messaging and Calling App App Store | Google Play

- Implemented video calling with Twilio Video: the ringing screen and in-call camera, flip, mute and hang-up controls.
- Built one-to-one and group chat with text, voice messages, photos and videos, and fixed chat bugs.

Tech: React Native, Twilio Video, Firebase, push notifications

Gifter | E-commerce Gifting App

- Developed browsing, wishlists, scheduled delivery and order tracking, with Stripe checkout and Firebase Authentication.

Tech: React Native, Redux Toolkit, RTK Query, Stripe, Firebase, Formik, Yup

Islam Hub | Quran and Prayer App Android APK

- Quran reader for all 114 surahs and 30 parahs with translations, transliteration, auto-scroll and recitation by several reciters, plus prayer times for the user's location and a compass Qibla finder.

Tech: React Native, Expo, Context API, AsyncStorage, Firebase Realtime Database, REST APIs, Expo Sensors, Expo AV

Akeed | Ride-Booking Driver App

- Improved live location tracking and route optimization, with Google Places address autocomplete.

Tech: React Native, Google Maps API, Places API, Redux, Firebase

EDUCATION

Bachelor of Science in Computer Science (Major in Machine Learning) Jan 2016 - Mar 2020
COMSATS University Islamabad
Relevant coursework: Data Structures and Algorithms, Machine Learning, Artificial Intelligence, Digital Image Processing, Database Systems, Software Engineering

CERTIFICATION

Certification in Data Science & Machine Learning Jan 2020
Dice Analytics