

Kevin Roan

Full Stack / Cross-Platform Developer

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SUMMARY

Full stack and cross-platform developer with **3+ years** of experience shipping production **React Native** apps to the **App Store** and **Google Play**, reaching **13k+ active users**. Builds **real-time systems** with **Socket.IO** and **LiveKit**, high-performance animation with **Reanimated** and **React Native Skia**, and live mapping with **Mapbox**. Equally strong on the server: **Node.js**, **Express**, **Prisma** and **PostgreSQL**, containerised with **Docker** and shipped through **GitHub Actions** CI/CD. Comfortable owning a feature end to end, from native module to deployed API.

SKILLS

Mobile	React Native Expo & EAS React Native Reanimated React Native Skia React Native Gesture Handler Mapbox NativeWind Firebase Cloud Messaging OTA updates App Store & Play Store releases
Real-time & Media	Socket.IO WebRTC LiveKit FFmpeg HLS streaming custom native video player push notifications
Frontend	React Next.js (App Router, SSR, SSG, ISR) TypeScript TanStack Router React Query Zustand Redux TailwindCSS Shadcn/ui Framer Motion
Backend	Node.js Express.js Prisma REST APIs JWT OAuth refresh tokens rate limiting microservices monorepo architecture
Databases	PostgreSQL MongoDB / Mongoose SQLite Firebase Redis
Payments & Auth	Stripe Razorpay 2C2P 3-D Secure Clerk Auth0 role-based access control
DevOps & Cloud	Docker GitHub Actions AWS EC2 Nginx Linux CI/CD pipelines
Languages	TypeScript JavaScript Python SQL Bash

EXPERIENCE

Bpract Software Solutions

Dec 2024 – Present

React Native & Full Stack Developer

On-site, Calicut

- Built and shipped cross-platform **React Native** applications with **Expo**, reaching **13k+ active users** across iOS and Android.
- Delivered a real-time event-timing platform using **Socket.IO** with an HTTP fallback, plus **LiveKit**-powered push-to-talk voice for on-ground marshals.
- Implemented game-like animations with **React Native Skia** and **Reanimated**, and animated **Mapbox** maps rendering live participant positions for players and spectators.
- Designed a **monorepo** architecture with shared TypeScript types and hooks across mobile, web and API, cutting duplicated logic and integration bugs.
- Shipped **OTA updates** via Expo EAS, enabling hotfixes without app store re-submission and shortening release cycles.

Adacode Solutions

Jan 2024 – Dec 2024

Full Stack Developer

On-site, Calicut

- Developed cross-platform mobile apps with **React Native** and **Expo**, reusing shared business logic across web and mobile codebases.
- Architected RESTful backends with **Node.js**, **Express** and **MongoDB** following MVC principles; integrated **Firebase** for real-time sync and push notifications.
- Built secure authentication flows with **Clerk**, **Auth0** and **JWT**, covering social login, MFA and role-based access control.
- Integrated **Razorpay** payments into a Next.js e-commerce flow, handling webhooks and full order lifecycle management.

Freelance

Mar 2023 – Jan 2024

Frontend Developer

Remote

- Delivered **React** and **Next.js** solutions for multiple clients, focusing on performance, Core Web Vitals and accessibility (WCAG 2.1).
- Applied SSG/SSR/ISR rendering strategies to achieve fast load times and improved SEO across client projects.

PROJECTS

Chasemates – Real-Time Race Timing Platform

Demo | Play Store | Web

React Native (Expo), Socket.IO, LiveKit, React Native Skia, Mapbox, Stripe, Node.js, Express, Prisma, PostgreSQL, Docker, AWS

- Built the full stack of a live timing product for offline off-road races: participants register and pay for events via **Stripe**, view course maps and follow matches live; marshals record checkpoint splits that propagate instantly over **Socket.IO**, with HTTP polling as fallback.
- Shipped an in-app **walkie-talkie** for marshals using self-hosted **LiveKit**, alongside real-time chat and an animated **Mapbox** map streaming live positions to players and guest spectators.
- Implemented performance-critical, game-like animations with **React Native Skia** and **Reanimated**, keeping interactions at 60 fps on mid-range devices.
- Developed the **Node.js/Express** API (**Prisma**, PostgreSQL) with rate limiting and refresh-token auth, an **FFmpeg** pipeline for post-match dispute video processing and a Python **rembg** microservice for profile background removal.
- Built the **React** admin dashboard (TanStack Router, React Query, Mapbox) for event management and course drawing; containerised all services with **Docker** behind Nginx on AWS EC2, deployed via **GitHub Actions**.

Viacar – Ride-Sharing App (UAE)

Demo | App Store

React Native, Reanimated, Mapbox, Zustand, React Query, TypeScript, Firebase FCM

- Developed a BlaBlaCar-style ride-sharing app with vehicle management, ride creation, booking and in-app payments with **3-D Secure** authentication.
- Met the code-quality and security standards required for **Dubai government review**, collaborating with a Laravel backend team through to release.
- Implemented full **Arabic localisation** with RTL/LTR layout support, and tuned animations with **Reanimated** for smooth, native-feeling navigation. Published on the **App Store**.
- Implemented Apple Pay integration by developing native iOS modules, bridging them to React Native, and integrating server-side payment verification.

BitcoinTAF – Crypto Wallet & E-Learning App

Demo | Play Store | App Store

React Native, Expo, EAS, Reanimated, Gesture Handler, HLS

- Built a crypto wallet and video-based e-learning platform, published to both the **App Store** and **Google Play**.
- Wrote a **custom native video player** streaming HLS chunks from Vimeo, with YouTube-style quality selection implemented natively for Android and iOS, and pinch-to-zoom via Gesture Handler; open-sourced as **react-native-video-zoom**.

KenzERP – Hybrid POS & ERP Desktop App

Demo

Electron, React, TypeScript, SQLite, ERPNext (Frappe), Docker

- Built an offline-capable POS covering billing, invoicing, barcode scanning, wholesale, sales returns and **ZATCA** e-invoicing compliance, handling **100k+ products and customers** without UI slowdowns.
- Reduced cold-start time **50x** through incremental sync of changed records over a local **SQLite** cache and multi-threaded data fetching at boot.
- Delivered sub-2-second PDF and client-side HTML printing across multiple driver stacks, supporting all common thermal printers and scanners, with Arabic/English localisation.

Business MLM Software

businessmlmsoftware.com

Next.js, Prisma, PostgreSQL, Docker, Nginx, GitHub Actions

- Rebuilt a legacy WordPress site from scratch in **Next.js**, moving it from **page 28 to page 2** on Google US search.
- Used SSR/SSG with aggressive caching for near-instant page loads, and built an admin panel on Prisma and PostgreSQL with an LLM-backed translation pipeline.

OPEN SOURCE

react-native-video-zoom – npm package

npm

- Published a React Native video player supporting HLS streaming, pinch-to-zoom and native quality switching on Android and iOS.

Mechvibes – Electron app

GitHub

- Fixed a bug where config files were written to the home directory instead of the OS-appropriate path, following **XDG Base Directory** conventions.