

Isaac Medina

Senior Software Engineer | Full-Stack, React, React Native, TypeScript, Node.js
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Senior Software Engineer with **8+ years of experience** building and scaling mobile, web, and backend systems using React, React Native, TypeScript, Node.js, and MongoDB. Proven experience owning complex product initiatives end-to-end, including payment integrations, marketplace workflows, scalable APIs, and customer-facing application architecture. Background spans both enterprise and startup environments, including FINRA, Walmart, Vivid Seats, and founder-led product development, with a focus on shipping reliable systems that improve user experience and drive business impact.

Skills

Languages: JavaScript, TypeScript, Swift, Kotlin, Python, Ruby, HTML, CSS, SCSS, SQL

Frontend: React, Next.js, React Native, Redux Toolkit, Redux Thunk, Redux Saga, React Query Kit, Storybook, UI/UX

Backend: Node.js, Express.js, Ruby on Rails, Django, REST APIs, Mongoose

Databases & Services: MongoDB, PostgreSQL, Firebase, Stripe, Cloudinary, Google Places API, Firebase Cloud Messaging

Testing: Jest, Enzyme, Appium, Unit Testing, End-to-End Testing, Test Automation

Mobile & Platforms: iOS, Android, Expo

Tools & Analytics: Git, Bitrise, Dynatrace, Google Analytics, Figma, CI/CD, Crashlytics, Sentry, OpenAI, Kiro, Claude

Engineering: Performance Optimization, Application Architecture, System Design

Leadership: Technical Leadership, Cross-Functional Collaboration, Mentorship, Communication

Experience

Lead Full Stack Engineer (React / React Native / .NET)

FINRA, Inc. — Dispute Resolution Application | Remote | May 2024 – Present

- Spearheaded the design and launch of the first mobile application for FINRA's dispute resolution platform, expanding a core web experience into a native mobile product for iOS and Android.
- Owned the mobile MVP end-to-end as the first and only mobile engineer, leading architecture discussions, implementation strategy, release management, and production launch.
- Defined the technical foundation for the mobile platform, including app architecture, state management, environment strategy, API integration patterns, testing standards, and release pipelines.

- Built 25+ reusable design system components and integrated 25+ RESTful endpoints with a .NET backend, enabling scalable delivery across key user workflows.
- Implemented operational and product observability through Firebase Cloud Messaging, Analytics, Crashlytics, and Dynatrace Real User Monitoring.
- Collaborated cross-functionally with product, design, and backend teams to deliver a high-quality user experience while balancing business needs, maintainability, and speed to market.
- Supported the growth of the mobile practice beyond the initial MVP by helping interview engineers, mentoring teammates, and contributing to the direction for expanding the mobile team.
- Leveraged AI tools in day-to-day engineering for code correction, architecture guidance, feature planning, and technical problem-solving, accelerating delivery and improving implementation quality across the web, mobile, and backend platform.
- Created internal Kiro AI skills using contextual prompts to support engineering quality and maintainability, including a Release Readiness Skill that surfaced delivery gaps across testing, analytics, logging, feature flags, crash handling, release notes, and mobile-specific checks.
- Built an additional Kiro AI skill to improve codebase maintainability by enforcing self-documenting code practices and generating JSDoc-style documentation for clearer team handoff and long-term support.

Senior Full-Stack Engineer (React Native / React / Next.js / Node.js / Express)

Vivid Seats, LLC — B2C React Native Team | Hybrid | Oct 2023 – May 2024

Reason for departure: *Temporarily relocated to Mexico to support a family immigration matter.*

- Helped evolve Vivid Seats' consumer-facing React Native platform by translating native iOS and Android functionality into scalable cross-platform implementations using React Native, TypeScript, Redux Toolkit, and RTK Query.
- Served as feature champion for two major initiatives, owning technical execution, cross-functional coordination, and delivery across the React Native application.
- Built and standardized reusable design system components for the mobile platform, with Storybook documentation that improved consistency and engineering velocity.
- Implemented and maintained complex feature flows across the React Native application, balancing performance, reusability, and maintainability in a large production codebase.
- Delivered new mobile features while collaborating cross-functionally with engineering, QA, and UX to refine requirements and improve user experience.
- Reduced technical debt and improved performance by refactoring legacy UI into smaller functional components, optimizing rendering behavior, and applying profiling tools to identify bottlenecks.
- Investigated production issues, debugged platform-specific behavior across iOS and Android, and resolved defects affecting reliability and user experience.

- Strengthened code quality by contributing to shared frontend patterns, improving component composition, and reinforcing scalable state-management practices across the application.
- Wrote unit tests with Jest and React Native Testing Library to improve reliability across components and application flows.
- Supported production release delivery through Bitrise, App Store Connect, and Google Play Console.
- Implemented Firebase Analytics and secure OAuth 2.0 with PKCE authentication flows to support product insight and production-grade login and token refresh workflows.
- Partnered with teammates through code reviews, technical documentation, and knowledge sharing to support consistent engineering standards across the codebase.

Mobile App Engineer (React / React Native)

Walmart Global Tech — Sam's Club Team / Walmart Luminate | Remote | Feb 2018 – Oct 2023

- Contributed to the development of large-scale React Native applications serving both associate and customer-facing use cases across Walmart and Sam's Club organizations.
- Built and maintained production features using React Native, TypeScript, Redux, and Redux Saga across multiple applications, including tools for Walmart associates and customer rewards workflows.
- Supported architectural decisions around scalability, maintainability, and shared frontend patterns in a complex multi-team engineering environment.
- Helped implement modular frontend architecture patterns, including micro-frontend-style package delivery, to improve reuse and support shared application domains.
- Developed React functional components, hooks, selectors, and navigation flows while reducing duplication and improving consistency across feature implementations.
- Integrated secure authentication workflows using Okta and OAuth 2.0 to support enterprise-grade login, token handling, and session management.
- Wrote unit tests with Jest and implemented 200+ Appium automation test cases across iOS and Android to strengthen quality and release reliability.
- Published React Native application updates as NPM packages and worked across internal and external dependencies to support scalable development workflows.
- Contributed to code reviews, pair programming, and technical documentation to improve engineering standards and team effectiveness.
- Collaborated with design and cross-functional teams to translate Figma requirements into production-ready mobile experiences.

Featured Projects

FINRA DR Portal

Led development and launch of FINRA's first mobile application, extending the dispute resolution platform to iOS and Android. Served as the first and sole mobile engineer through MVP architecture, implementation, release management, and production launch, while establishing the technical foundation for future mobile team growth.

[App Store](#) | [Google Play Store](#)

Vivid Seats

Consumer-facing React Native application powering large-scale ticketing and mobile commerce experiences. Served as feature champion for two major initiatives, while contributing to reusable design system components, performance optimization, technical debt reduction, secure OAuth 2.0 authentication flows, and production delivery across iOS and Android.

[Mobile App](#)

MyWalmart

React Native mobile application supporting Walmart associates with tools and workflows used in day-to-day operations across store and field environments. Contributed to production feature development, React Native architecture, reusable component implementation, authentication flows, automated testing, and cross-functional delivery in a large-scale enterprise environment.

[App Store](#) | [Google Play Store](#)

Education

Flatiron School (Software Engineering Bootcamp)

Chicago, IL | Feb 2020 – Jul 2020

- Full Stack Web Development, Ruby on Rails and JavaScript program.
- Front End: JavaScript, ReactJS, Redux, Redux Thunk
- Back End: Ruby on Rails, Active Record, SQLite, PostgreSQL
- Object Oriented Programming with MVC practice - User Stories, MVP, design database tables, and models