

Justin O'Hara Senior Mobile Developer

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PROFILE

Senior Mobile developer with a strong background in building and scaling apps for **healthcare, fintech, and food delivery**. Experienced in **React Native, Swift, Kotlin**, and modern **JavaScript** frameworks, bringing together native and cross-platform development with solid backend integration. Skilled in creating reliable, high-performance mobile experiences through clean architecture, API design, and real-time data handling. Focused on delivering stable apps that perform under pressure and feel natural in use.

EDUCATION

University of Cambridge, Bachelor's Degree on Computer Science

09/2009 – 12/2013
Cambridge, United Kingdom

PROFESSIONAL EXPERIENCE

CookUnity, Senior Mobile Developer

09/2023 – 09/2025 | Brooklyn, New York

Played a huge role in **migration** of **CookUnity's food delivery** app using **React Native Expo** within **EAS** achieving some new remarkable features and contributed to the new launch of the app in **Canada**. [Play Store](#) / [App Store](#)

- Implemented the functionality of shipping via national services (e.g. **Fed Ex, UPS**) ; integrated with **EasyShip API** and introduced **real-time delivery tracking** using **WebHooks, Firebase Cloud Messaging (FCM)** for push notifications, and **Firebase Firestore** to store delivery info which updates real-time.
- Enhanced the user experience of **Google Maps** within customizing the maps, and performance optimization by introducing some methods such as **dynamic loading**, map component **abstraction** and **debouncing**.
- Introduced **dynamic product catalogs** with advanced filtering, allowing users to browse chef-crated meals based on categories, utilizing **React Navigation** for easy navigation and **Redux Toolkit** for state management.
- Migrated the **QR code recognition** feature from a React Native implementation using **react-native-vision-camera** to native modules built with **AVFoundation (iOS)** and **CameraX(Android)**, integrating them through a custom **React Native bridge** to enhance performance, reduce latency.
- Enhanced offline functionality using **AsyncStorage** and **SQLite**, enabling users to persist food details, and order history locally, with data sync upon network reconnection, providing a smooth user experience even without internet access.
- Upgraded the project to **React Native 0.76** with the **Fabric renderer**, improving UI rendering and animation performance across iOS and Android, making screens like food catalogs, ordering carts, and checkout with **Apple Pay** and **Google Pay** smoother and more responsive.
- Integrated **TurboModules** with **React Native 0.76**, enabling faster loading times for critical app components such as the personalized meal recommendation engine, and reducing the overall JavaScript bridge communication overhead to enhance the app's startup speed and responsiveness.
- Developed a **crypto-payment** option using **React Native Pay** and integrated with **Coinbase Commerce API**, enabling users to complete transactions securely with Bitcoin, Ethereum, and other supported cryptocurrencies in addition to traditional payment methods.
- Integrated cloud services using **AWS** for backend API management and **S3** for media storage, ensuring scalable, reliable, and secure data storage during peak traffic times.
- Enhanced search bar which integrates with **AI-driven semantic search** endpoint collaborating with AI/ML engineers.
- Established secure authentication and authorization using **OAuth 2.0, JWT**, and **biometric methods** like **Face ID** and **FingerPrint**, delivering a smooth, consistent, and password-free user experience across sessions and devices.

- Collaborated with backend developers to integrate **Node.js** endpoints via **GraphQL** for handling user data, product information, and order transactions, ensuring smooth communication between the frontend and backend systems.
- Conducted extensive testing with **Jest** and **React Native Testing Library**, performing unit and integration tests to identify and resolve issues in both the upgraded version and new features, ensuring app stability and performance.
- Optimized app performance using **Flipper**, **React Native Debugger**, and **Sentry**, addressing memory leaks, improving load times, and utilizing real-time crash monitoring to quickly identify and resolve issues, resulting in a faster, more stable, and responsive app experience for users.
- Set up **Bitrise** with **GitHub Actions** CI/CD pipelines to automate builds, tests, and releases, keeping **iOS** and **Android** updates running fast and steady with reduced downtime and a smoother development flow across environments.
- Worked within **Agile Scrum** teams while mentoring junior developers, conducting code reviews and being able to help improve team productivity and development.

Boston Consulting Group, Senior Software Developer

04/2020 – 07/2023 | Boston, MA

Migrated **VSee's** native iOS and Android apps into a unified **React Native 0.64** codebase, consolidating shared UI logic and maintaining **HIPAA** compliance across **Messenger**, **Clinic**, and **Telehealth platforms**.

- Integrated **WebRTC** and a custom signaling API to replace the prior Zoom SDK, optimizing video call reliability with **react-native-webrtc** and **react-native-incall-manager**, and enabling live doctor-patient sessions under secure **AES-256** encryption.
- Implemented **Bluetooth Low Energy (BLE)** connectivity using **react-native-ble-plx** to auto-sync readings from blood pressure cuffs, EKGs, and stethoscopes directly into patient dashboards for real-time remote monitoring.
- Extended device streaming capabilities by linking **native bridge modules** to handle ultrasound and otoscope feeds, allowing live video and diagnostic data to appear within active telehealth sessions.
- Built a dynamic waiting room and in-visit chat interface using **React Navigation** and **Socket.IO**, supporting live updates for queue status, provider notes, and system alerts.
- Added **Picture-in-Picture (PiP)** and **screen share viewing** using **react-native-pip-android** and custom native modules for iOS to enhance provider multitasking during consultations.
- Optimized low-bandwidth video streaming by tuning **WebRTC bitrate controls** and adding adaptive fallback logic for rural or unstable network conditions.
- Adopted **Zustand** for state management across the React Native migration, simplifying global session handling, call states, and device data sync while reducing Redux boilerplate and improving runtime performance.
- Implemented **Ad-hoc consent forms** and **E-Signature** workflows using **react-native-signature-capture**, allowing patients to complete forms directly within the session.
- Integrated **secure in-app payments** through **Stripe React Native SDK**, supporting card addition and transactions during active visits at provider request.
- Improved background reconnection and chat reliability across **iOS 17** and **Android 13**, refactoring socket handling and unread message tracking for a consistent cross-platform experience.
- Executed comprehensive unit and integration testing using **Jest** and **React Native Testing Library** to significantly reduce post-release bugs.
- Improved **CI/CD** pipeline by automating the deployment process using **Fastlane** and **AWS Amplify**, streamlining the build and deployment processes.

FinTron, Mobile Developer

07/2017 – 02/2020 | Stamford, CT

Built the FinTron mobile app for personal finance using React Native, Redux, and TypeScript, handling spending insights, card transactions, and investment dashboards with stable state management and responsive UI design.

- Connected RESTful APIs, WebSockets, and Firebase to sync account balances, deposits, and withdrawals in real time between mobile and backend services.
- Integrated secure authentication with OAuth 2.0, JWT, and biometric login (Face ID / Touch ID), allowing users to manage cards and portfolios with consistent identity data across devices.

- Developed dynamic transaction and budgeting screens with D3.js and Recharts, visualizing daily and monthly expenses through categorized analytics tied to live financial data.
- Implemented modules for peer transfers, stock trading, and deposit tracking, integrating with Plaid, Stripe, and Alpaca APIs for banking and investment functionality.
- Improved app reliability with Redux Thunk, AsyncStorage, and Sentry, maintaining performance, error tracking, and offline session recovery even under unstable network conditions.

Tango, Software Developer

02/2014 – 03/2017 | Dallas, TX

- Built a full-stack construction management platform from the ground up using MongoDB, Express.js, React, Node.js, HTML, CSS, and jQuery, connecting on-site operations with project tracking, client communication, and budgeting in one unified system.
- Created a client portal for approvals, messages, and document sharing, using React Router for navigation, Axios for data exchange, and HTML/CSS for responsive interface layouts.
- Designed an inventory tracking module for materials and equipment, combining MongoDB for live records, Node.js APIs for updates, and Redux to keep state consistent while adding jQuery components for interactive UI behavior.
- Built a project management web system with Vue.js, Laravel, MySQL, HTML, and CSS, connecting clients, resources, and schedules through RESTful APIs and dynamic UI elements.
- Developed mobile modules in native Android (Java) and iOS (Swift), extending web platform functionality to mobile for project tracking, approvals, and client updates with shared APIs and synchronized backend logic.
- Integrated native device features such as push notifications, file uploads, and camera access for on-site photo capture and document sharing, connecting Android and iOS clients to the same backend services for real-time data sync.

SKILLS

Programming Languages

JavaScript(ES6+), TypeScript, Swift, Objective-C, Kotlin, Java, HTML, CSS, PHP, Python, Smali

Frontend Web Development

React(v16+), Next.js, Vue.js, Redux, Zustand, Jotai, Mobx, Tailwind, MUI

Database

SQLite, MySQL, PostgreSQL, MongoDB, Firebase Firestore, AWS S3

Testing/QA

Jest, Detox, Mocha, Appium, XCTest, Espresso, Postman

Cloud Platforms

Firebase, GCP, AWS, Azure

Mobile Development

React Native CLI, Expo, Xcode, Android Studio, SwiftUI, UIKit, Jetpack Compose,

Backend Development

Node.js, Laravel, Spring Boot, RESTful API, GraphQL, WebSockets, Socket.io, WebRTC

UI/UX Design

Figma, Adobe XD

Version Control & CI/CD

Git, GitHub Actions, Jenkins, Bitrise, Fastlane