

IRFAN RAO

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SKILLS

- **Mobile Development:** React Native, JavaScript, React JS, HTML5, CSS3
- **State Management:** Redux, AsyncStorage
- **Backend & APIs:** REST APIs, GraphQL, Firebase
- **Databases & Authentication:** MongoDB, Firebase Authentication
- **Tools & Platforms:** GitHub, Postman, TestFlight, Apple App Store, Google Play Store
- **Other:** React Native Maps, RevenueCat, API Integration, Push/Real-Time Notifications

PROFESSIONAL EXPERIENCE

Associate Software Engineer/ React Native Developer — SpadaSoft March 2025 – Present

- **Developed and enhanced WAWCD's published Shopify app**, connecting e-commerce events with WhatsApp through reusable templates and transactional automation.
- **Built a WooCommerce plugin** for opt-in WhatsApp order notifications, queued message processing, QR-based account connections, and activity reporting.
- Integrated Google Sheets and Google Calendar, enabling workflow logging, data mapping, appointment availability checks, event management, and WhatsApp-based appointment sharing.
- **Developed WAWCD for Airtable** with secure authorization, configurable field mapping, lead lookup, and WhatsApp message synchronization.
- **Built WAWCD's Make integration** using authenticated webhooks to process incoming WhatsApp events and support downstream automation workflows.
- Contributed to **WABPO-based Shopify integration**, including phone claiming, template payload mapping, and message dispatch workflows.
- **Developed React Native features** for contact management, templates, media interactions, sharing, and GraphQL/REST API integration.

Frontend Developer — Bridge Zone

May 2024 – March 2025

- **Designed and developed cross-platform mobile applications** using React Native, delivering responsive and user-friendly experiences across mobile devices.
- **Built real-time application features** including star tracking, barcode scanning, and referral systems using Firebase.
- **Implemented secure user management functionality**, including authentication, profile management, and post creation with reliable data handling.
- **Developed intuitive navigation flows** using Stack and Bottom Tab Navigation to improve application usability and user experience.
- **Integrated maps and location-based services** to deliver location-specific information and enhance application functionality.
- **Optimized API integration and state management** using Fetch and Redux, improving data flow and maintaining consistent application state.

PUBLISHED APPS

Production Apps | iOS & Android

[Wabpo](#) | [Athelia](#) | [WAWCD](#) | [WAWCD Shopify](#)

EDUCATION

Bachelor of Computer Science — COMSATS University | 2019 – 2023

PROJECTS

WABPO WhatsApp CRM Mobile App

React Native · Expo · WhatsApp Business API

- **Developed and shipped** a cross-platform WhatsApp Business CRM, published on the **Apple App Store and Google Play Store**.
- Built real-time messaging with **Socket.IO**, **push notifications**, **deep linking**, and WhatsApp-compliant 24-hour conversation workflows.
- Implemented templates, quick replies, media & voice messaging, scheduled messages, team collaboration, search, labels, priorities, and human handoff.

Athelia App

React Native · Apple App Store · RevenueCat

- **Developed and deployed** a production mobile application for analyzing visible social-media content across **TikTok, Instagram, YouTube, and X**.
- Built the **Mirror Session** and Algorithmic Forensics reporting workflows to identify behavioral patterns, emotional triggers, consumer targeting, and political influence.
- Implemented **Apple & Google Sign-In**, **RevenueCat subscriptions**, and managed the **TestFlight to App Store release lifecycle** with a privacy-first data architecture.

WAWCD AI WhatsApp Marketing Tool

- **Developed and deployed** a responsive marketing and contact-management application with **real-time notifications and analytics tracking**.
- Built core **contact management and engagement workflows**, including contact downloads and user activity tracking.

FishScout App

- **Developed a cross-platform mobile application** with a responsive, intuitive interface and reliable state management using **Redux**.
- Integrated **Firebase Authentication and React Native Maps**, and prepared the application for **TestFlight pre-release deployment**.

KYT Dental App

- Developed a user-focused dental app with **REST API integration** and **Redux-based state management** for efficient data handling and star-tracking functionality.