

ABDULLAH ALTAF

Full Stack Mobile Developer | React Native & Node.js | Open to Remote

Rawalpindi, Pakistan | +92 327 5876807 | dev@abdullahaltaf.com | abdullahaltaf.com
github.com/raja-abdullah | linkedin.com/in/abdullah-altaf-ai

PROFESSIONAL SUMMARY

Full Stack Mobile Developer with 1.5+ years building production cross-platform React Native apps end-to-end, from UI to mobile-optimized Node.js APIs. Sole mobile developer of three live apps at Soft Wise Solutions, including a multi-region school management platform serving 5,000+ students, and a bilingual (English/Urdu) B2B gold trading platform. Experienced in RBAC, RTL/i18n, push notifications, mobile performance optimization, mobile app security, Android releases and edge AI (YOLO, PaddleOCR). Leverages AI-assisted development (Claude Code) to ship faster while upholding clean code, security best practices and thorough code review. BS CS (AI), Bronze Medalist, 3.82 CGPA.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python

Mobile: React Native (CLI), Cross-Platform Development (single iOS/Android codebase), Redux Toolkit, Zustand, TanStack Query, React Navigation, NativeWind, Reanimated, Lottie, React Hook Form + Zod, i18n & RTL (react-i18next), Firebase Cloud Messaging, Deep Linking, Android Release Builds & Play Store Configuration

Performance Optimization: MMKV, TanStack Query caching, re-render optimization, infinite-scroll pagination

Mobile App Security: JWT with Keychain storage, token refresh interceptors, RBAC, rate limiting, secure middleware

Backend & Databases: Node.js, Express.js, MongoDB, Prisma ORM, RESTful APIs, JWT Auth, RBAC, Rate Limiting

Web: React.js, Next.js, Axios, Chart.js

AI & Computer Vision: YOLO, PaddleOCR, ONNX / NCNN, CVAT, Gemini API, Web Scraping (BeautifulSoup, Scrapy)

Tools & Deployment: Git, GitHub, Docker, Vercel, Figma, npm Publishing, Raspberry Pi, AI-Assisted Development (Claude Code)

EXPERIENCE

Full Stack Mobile Developer (React Native) — Soft Wise Solutions | May 2025 – Present

Promoted from Intern (Jan 2025 – Apr 2025) | Rawalpindi, On-site

Software agency (11–50 employees) building POS, ecommerce and AI products for clients

Gold Biz Pro — B2B Gold Trading Platform

React Native, Node.js, Express, Prisma, MongoDB, FCM

- Sole mobile developer of Gold Biz Pro, a multi-tenant, bilingual (English/Urdu) B2B platform where gold market associations onboard member businesses and manage inter-business trade deals; in live use by a gold market association and its member businesses.
- Designed QR-based employee card verification that lets buyers instantly confirm a counterparty's staff is actively employed before a deal, closing a common fraud loophole where ex-employees trade stolen gold under a former employer's name.
- Built the end-to-end deal lifecycle (create, verify, complete/dispute) with role-targeted FCM push notifications and deep-link navigation.
- Implemented dynamic, permission-based RBAC across 5 roles (Association Admin, Owner, Partner, Card Verifier, Employee), with features shown or hidden in real time as permissions are granted or revoked; built admin flows for business approvals, card revocation and un-revoke requests.
- Built full RTL support (custom useRTL/useUrduStyle hooks, Nastaleeq + Latin typography) and secure JWT auth with keychain storage, resolving an auth-store race condition by fetching full permissions post-login; built REST APIs (Node.js, Express, Prisma, MongoDB) with RBAC and rate-limiting middleware.

Multi-Branch School Management System

React Native, Node.js, Express, MongoDB, FCM

- Owned the mobile app end-to-end for a school management platform live across 2 regions and 25 buildings, serving 5,000+ students and their parents; modelled a Region, Branch, Wing (Boys/Girls), Building, Class and Section hierarchy built to scale to larger networks.
- Collaborated with the web team on a shared backend, designing and building mobile-optimized API endpoints tailored to app features and performance.
- Implemented role- and permission-based portals for 8 roles (Super Admin, Branch Admin, Regional Coordinator, Subject Coordinator, Teacher, Finance, Student, Parent), including a multi-child view for parents.

- Built teacher tools for daily and subject-wise attendance, coordinator approval and activation of online quizzes, timetables, and class directories with one-tap call/email to parents.
- Delivered drill-down fee and attendance analytics from network level down to wing, building, class and section, plus targeted push broadcasts to teachers, students or parents by branch or building.

Multi-Shop POS & Inventory App

React Native

- Independently built the mobile app for a multi-shop POS and inventory platform, integrating existing backend APIs; in production use with small retail businesses via direct APK distribution.
- Implemented role-based access for 4 roles (Super Admin, Branch Admin, Stock Manager, Salesman), with stock visibility scoped from a single shop, to shop and warehouse (godown), to all shops.
- Built sales, purchase and expense dashboards with top-selling products, stock levels and full invoice history (sale, purchase, return, transfer), plus expense management at shop and network level.

Computer Science Instructor (Part-time) — Unique Future Academy | Oct 2025 – Jul 2026

Rawalpindi

- Taught programming and computer science fundamentals through hands-on coding exercises, alongside a full-time development role.

PROJECTS

SmartPark: AI-IoT Edge Parking System — Final Year Project | smartpark.swsapp.cloud

MERN (React, Node.js, Express, MongoDB), Prisma, Raspberry Pi, YOLO, PaddleOCR, ONNX / NCNN

- Built the entire system end-to-end (edge AI pipeline, backend and admin dashboard) as sole developer of a 3-member team, delivered as a working prototype integrated with a physical boom barrier.
- Trained a two-stage ANPR pipeline: custom YOLO plate detection (~99% detection accuracy) feeding a fine-tuned Mobile PaddleOCR model (90%+ similarity-based text accuracy); converted ONNX to NCNN for ~3x faster on-device inference.
- Engineered an event-driven edge pipeline on Raspberry Pi (sensor, IP camera, inference, barrier relay), capturing frames only on triggers; built a React admin dashboard and multi-tenant backend with RBAC across 4 roles, OTP email verification and indexed entry/exit logs.

react-native-rtl-kit — Open Source (Beta) | npmjs.com/package/react-native-rtl-kit

TypeScript, React Native, npm

- Author of an open-source library that wraps StyleSheet.create to automatically convert physical style properties (e.g. marginLeft) into RTL-safe logical equivalents; published to npm as a beta release with a passing test suite.
- Roadmap includes an ESLint rule to flag physical style properties written outside the library's API.

EDUCATION

Bachelor of Science in Computer Science (Specialization in AI) | Oct 2022 – May 2026

PMAS-Arid Agriculture University, Rawalpindi | CGPA: 3.82 / 4.00

Bronze Medal — 3rd position in batch (academic)

LANGUAGES

English (Professional working proficiency), Urdu (Native)