

Sardar Hussain

React Native Developer • TypeScript / JavaScript • Node.js • Cross-Platform Mobile

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PROFESSIONAL SUMMARY

Results-driven React Native Developer with 2+ years of experience building and shipping production-grade cross-platform mobile applications. At Repla Technologies, delivered five full production apps across ride-hailing, healthcare, IPTV, enterprise property management, and home services. Also independently architected and deployed **ApnaUstad** — a full-stack home services marketplace — solo, covering the React Native app, Node.js/PostgreSQL backend, and admin panel. Skilled in TypeScript, Redux Toolkit, Expo SDK, Stripe payments, real-time Socket.IO, Mapbox, push notifications, and live tracking. Currently expanding into AI Agent development with LangChain, LangGraph, FastAPI, and Redis.

TECHNICAL SKILLS

Mobile:	React Native • Expo SDK 52+ • Redux Toolkit • Zustand • React Navigation • expo-video • MMKV
Languages:	TypeScript • JavaScript (ES2022+) • Node.js • Python (FastAPI)
Backend:	Node.js/Express • PostgreSQL • Sequelize ORM • REST APIs • Socket.IO • Redis • FastAPI
Payments:	Stripe (PaymentIntent • PaymentSheet • Webhooks)
Real-time:	Socket.IO • Firebase • Mapbox • Push Notifications (Expo Push API)
Web:	React.js • Next.js • HTML5 • CSS3 • Supabase • GraphQL
AI/Agents:	LangChain • LangGraph • MCP Protocol • OpenAI API
Tools:	Git • GitHub • VS Code • Xcode • Android Studio • EAS Build • Postman
Practices:	Cross-Platform Dev • State Management • API Integration • Agile/Scrum • Code Review

PROFESSIONAL EXPERIENCE

React Native Developer

Repla Technologies, Rawalpindi | August 2024 – Present (2 years)

- Shipped five production mobile apps: **Ayy** (ride-hailing), **Telehealth** (healthcare), **QBox** (enterprise property management), **Duplex** (IPTV streaming), and **HomeServe** (home services marketplace)
- Architected scalable app structures using Redux Toolkit, Zustand, and Context API for efficient, maintainable state management
- Integrated **Stripe** PaymentIntent/PaymentSheet for in-app payments; implemented end-to-end **Expo Push Notifications** with PostgreSQL token storage
- Replaced Google Maps with **Mapbox** in Ayy — built live driver tracking, real-time route polylines, and fare calculation using Socket.IO
- Implemented HLS video streaming in Duplex IPTV using **expo-video** SDK 52+ with audio/subtitle track switching via useEvent hooks
- Built **Firebase Phone Auth** and email OTP flows using Resend with custom domain; implemented JWT + expo-secure-store auth pattern across all apps
- Integrated Twilio video/chat SDK for Telehealth, including appointment scheduling, reminders, and secure patient-provider messaging
- Used EAS Build for production Android/iOS builds; debugged ProGuard/R8 issues on Expo module classes in release builds
- Collaborated with designers, backend engineers, and PMs in Agile sprints to deliver releases on schedule

Full-Stack Developer — Solo (React Native + Node.js + Admin Panel)

ApnaUstad — Home Services Marketplace | 2024 – Present

- Sole architect and developer** of the entire platform end-to-end: React Native mobile app (client + worker), Node.js/Express REST API backend, PostgreSQL database, and React.js admin web panel — all built and maintained independently
- Mobile App (React Native):** Built a dual-role app serving both **clients** (browse services, book workers, track jobs in real-time, rate providers) and **workers** (receive job requests, manage availability, track earnings, update job status) within a single codebase using role-based navigation
- Backend (Node.js/Express + PostgreSQL):** Designed and implemented the full REST API from scratch — including auth middleware, role-based access control (client, worker, admin), booking lifecycle state machine (pending → accepted → in-progress → completed), worker-client matching logic, and earnings calculation

- **Database Architecture:** Designed normalized PostgreSQL schema using Sequelize ORM — covering users, service categories, bookings, reviews, payments, and push notification tokens with proper foreign keys and indexing
- **Admin Web Panel (React.js):** Built a full admin dashboard for platform management — worker verification and approval, booking oversight, dispute resolution, user management, and analytics with charts for bookings and revenue
- Implemented **OTP-based authentication** via Resend email API with custom domain; JWT + expo-secure-store for secure session management across client and worker roles
- Integrated **Expo Push Notifications** with PostgreSQL token storage — workers notified on new job requests, clients notified on booking status changes
- Built real-time job tracking using **Socket.IO** — live worker location updates on client's map during active bookings

Software Developer

Techsolab, Rawalpindi | August 2024 – Present

- Designed and built cross-platform mobile applications using React Native, improving user engagement
- Integrated Firebase for real-time database management and secure authentication

KEY PROJECTS

Ayy Ride — Ride-Hailing Platform (Driver & Passenger Apps)

Tech Stack: React Native • Redux Toolkit • Mapbox • Socket.IO • Stripe • PostgreSQL • Expo Push

- Built dual-sided marketplace with separate driver and passenger apps, real-time GPS tracking via Mapbox, and dynamic fare calculation
- Replaced Google Maps with Mapbox — implemented live polyline routes, driver location updates over Socket.IO, and proximity-based matching
- Integrated Stripe PaymentSheet for in-app ride payments; implemented push notification system for ride requests, status updates, and promotions

Telehealth Mobile Application

Tech Stack: React Native • Twilio SDK • Redux Toolkit • REST APIs • Firebase Auth

- Built a comprehensive healthcare platform connecting patients with doctors via real-time video (Twilio), chat, and appointment scheduling
- Implemented secure patient-provider messaging with media sharing, electronic health record tracking, and calendar-integrated reminders
- Developed Firebase Phone Auth OTP flow and JWT-based session management with expo-secure-store

Duplex — IPTV Streaming App

Tech Stack: React Native • expo-video SDK 52+ • MMKV • expo-file-system • HLS

- Built full-featured IPTV app with HLS live streaming using expo-video SDK 52+ with explicit contentType: 'hls' for non-.m3u8 URLs
- Implemented audio/subtitle track switching via useEvent hooks; built cache management system using expo-image, expo-file-system, and MMKV
- Designed pseudo-MAC device identification strategy using ANDROID_ID and iOS Keychain for device registration

ApnaUstad — Home Services Marketplace (Solo Full-Stack)

Tech Stack: React Native • Node.js/Express • PostgreSQL • Sequelize ORM • Socket.IO • React.js • Expo Push • JWT

- Sole developer of the complete platform: dual-role React Native app (client + worker), full Node.js/Express REST API, PostgreSQL database, and React.js admin web panel — built entirely independently from scratch
- Mobile app serves two user types in one codebase: clients can browse services, book workers, track jobs live on map, and leave reviews; workers receive job requests, manage availability, update job status, and track earnings
- Designed and built the entire backend API: authentication with JWT + OTP (Resend email), role-based access control, booking state machine (pending → accepted → in-progress → completed), worker-client matching, and earnings calculation
- Designed normalized PostgreSQL schema (Sequelize ORM) covering users, service categories, bookings, reviews, payments, and push tokens with foreign keys and indexing
- Admin panel (React.js) includes worker verification/approval workflow, booking oversight, dispute management, user management, and analytics dashboard with booking and revenue charts
- Real-time job tracking via Socket.IO — live worker location broadcast to client during active bookings; push notifications for all booking lifecycle events

QBox — Enterprise Property Management

Tech Stack: React Native • Zustand • REST APIs

- Built feature-based modular architecture with role-based access control for owners, managers, and tenants

- Integrated RESTful APIs for property management, service requests, maintenance tracking, and analytics dashboards

EDUCATION

B.S. in Computer Science (In Progress)

Virtual University, Rawalpindi | March 2024 – Present

Intermediate in Computer Science (ICS) — 76.8% | UPS College, 2023

Matriculation in General Science — 94% | UPS College, 2021

CERTIFICATIONS & ADDITIONAL

- HTML, CSS & JavaScript Certification — CODSOFT, 2024
- Currently learning: Redis (caching, OTP, rate limiting), FastAPI + SQLAlchemy, LangChain/LangGraph AI Agents
- GitHub: github.com/SardarHussain65 — React Native, Node.js, and full-stack projects
- Soft Skills: Team Collaboration • Critical Thinking • Time Management • Agile Teamwork

Availability: Immediate | **References:** Available upon request