

Umer Sagheer

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SUMMARY

Full-Stack Engineer with 3+ years building production applications in React, React Native, Node.js, and NestJS. Shipped AI-integrated platforms serving 1,000+ users to App Store/Play Store. Experienced in system design, cloud deployments (AWS, Vercel), and delivering end-to-end solutions from architecture to monetization.

EXPERIENCE

Full-Stack Engineer

May 2025 – Present

Softaims

Lahore, Pakistan

- Architected **Engagemo**, an AI-powered education platform serving **1,000+ users (100+ paid)**, integrating GPT-4o Mini and Grok 4.1 for automated student feedback with dynamic model switching based on task complexity.
- Implemented real-time notification system using **Socket.io**, rich text editor, and advanced analytics dashboards delivering actionable insights and improvement plans for educators.
- Built **Postpartum** (React Native/Expo), a maternal health app featuring AI-generated meal plans, community features, grocery analytics, and recipe cost estimation—**deployed to App Store & Play Store** with RevenueCat subscription integration.
- Managed cloud infrastructure on **AWS S3/Aurora RDS**, Vercel, AWS EC2 and Contabo with CI/CD pipelines; integrated Zoho CRM for client project.

Full-Stack Engineer (Contract)

Dec 2024 – Apr 2025

Rhodium Tech

Lahore, Pakistan

- Developed **Adopt 2 Educate** donation platform: NestJS backend (Prisma, guards, dependency injection), React dashboard (Zustand, React Query, Shadcn UI), and React Native mobile app with secure payment gateway integration.
- Enabled real-time academic progress tracking for donors and built school management features for students, teachers, and exam results.

Full-Stack Developer

Nov 2022 – Dec 2024

TechGoat IT Solutions

Lahore, Pakistan

- Built scalable RESTful APIs for logistics, education, and booking platforms using **Node.js**, **Express.js**, controller-service architecture, JWT/OAuth authentication, and ORMs (Sequelize, Prisma, Mongoose).
- Developed **Sudeep Logistics Dashboard** with complex reporting queries (multi-table joins, aggregations, in-app post-processing) and vehicle tracking using PostgreSQL and Sequelize.
- Migrated legacy PHP backend to Node.js/Supabase; enhanced Google Forms-like application with drag-and-drop field reordering (DND Kit) and dynamic form handling.
- Managed state with Redux Toolkit/Zustand, and delivered features for school management and barbershop reservation systems.

PROJECTS

Restaurant Management System | *Next.js, Node.js, Supabase, Socket.io, Vercel*

2024 – Present

- Architecting multi-tenant SaaS platform with super-admin controls, outlet-level permissions, real-time POS, inventory management, kitchen display screens, and configurable order workflows.
- Implementing real-time updates via Socket.io, clean controller-service architecture, and cloud deployment with CI/CD.

Engagemo | *MERN, Socket.io, GPT-4o Mini, Grok 4.1, AWS S3/RDS*

2025

- AI-powered education platform (1K+ users): Automated feedback generation, real-time notifications, rich text editing, and advanced reporting with actionable insights for teachers.

Postpartum Recovery App | *React Native, Expo, Supabase, OpenAI API, RevenueCat*

2025

- Maternal health app with AI meal planning, calorie/price estimation, Instagram-like community, grocery analytics; published to App Store & Play Store with subscription monetization.

Adopt 2 Educate | *NestJS, Prisma, React, React Native, Gluestack UI*

2024 – 2025

- Donation platform connecting donors to students: Real-time academic tracking, school dashboards, mobile profiles with secure payment integration.

MyFit Fitness Tracker | *React Native, Expo, Firebase, NativeWind*

2024

- Fitness app with personalized plans, step tracking via Expo Sensors, workout analytics, and FCM push notifications.

EDUCATION

Government College University Lahore

Bachelor of Science in Computer Science

Lahore, Pakistan

Nov 2021 – Nov 2025

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, SQL, HTML/CSS

Frontend: React.js, Next.js, React Native, Expo, Tailwind CSS, Shadcn UI, Material UI, Gluestack UI

Backend: Node.js, Express.js, NestJS, REST APIs, Prisma, Sequelize, Mongoose

Databases: PostgreSQL, MongoDB, Supabase, AWS Aurora RDS

AI Integration: OpenAI API (GPT-4o), Grok API, Prompt Engineering

DevOps & Tools: Docker, AWS S3, AWS EC2, Vercel, Contabo, CI/CD, EAS Build, RevenueCat, Git

State Management: Tanstack Query, Zustand, React Hook Form, Nuqs, Redux Toolkit