MUHAMMAD SHAHROOZ ALTAF

Full Stack Developer | Next.js · NestJS · React Native · TypeScript · Python

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PROFESSIONAL SUMMARY

Full Stack Web Developer with 4+ years of experience building scalable SaaS platforms, real-time systems, GraphQL APIs, and cross-platform mobile apps. Expert in Next.js, NestJS, React Native, and TypeScript across healthcare, edtech, e-commerce, real estate, HRM, and professional networking domains. Proven in RBAC/ABAC auth, payment gateway integration, multi-tenant architecture, and agile team leadership.

WORK EXPERIENCE

Agentic AI Developer | Crexed | Mar 2026 – Present

- Exploring and implementing AI-powered workflows using LLMs and agentic frameworks such as LangChain and CrewAI.
- Assisting in building and integrating AI agents into existing products to automate repetitive tasks and enhance user experience.
- Learning best practices around prompt engineering, tool use, and multi-agent coordination in early-stage internal projects.

Full Stack Developer | Crexed | Apr 2023 – Mar 2026

- Architected multi-tenant SaaS applications using Next.js and NestJS, serving thousands of concurrent users across multiple production environments.
- Built real-time communication features (Socket.io, Pusher.js, Laravel Echo) and enterprise RBAC/ABAC systems with JWT and OAuth across 5+ production apps.

Senior Web Developer | Crexed | Jul 2022 – Mar 2023

- Delivered full-stack features across concurrent projects; built reusable React/Tailwind component libraries and optimized performance via Redis caching and query tuning.
- Integrated third-party APIs (Stripe, Google Maps, OAuth) and participated in agile sprints consistently delivering features on schedule.

Web Developer | Crexed | Sep 2021 – Jun 2022

- Developed and maintained MERN stack applications; built RESTful APIs, responsive UIs, and resolved production bugs through systematic debugging.

KEY PROJECTS

- **FAD – For All Doctors** (Next.js · Laravel · Laravel Echo · TanStack Query · TanStack Virtual · next-auth) — Large-scale professional networking platform for doctors, lawyers, and PhD holders. Modules: real-time chat, groups, articles, blogs, classifieds, and continuing education.
- **Mental Health Chatbot** (Next.js · Firestore · OpenRouter · OpenAI) — AI-powered mental health support chatbot with Firebase chat history, admin-managed response database, keyword-based fallback, crisis detection, and real-time conversation suggestions.
- **HRM Suite** (Next.js · NestJS · PostgreSQL · BioTime) — Multi-tenant HRM platform with biometric attendance, payroll, leave management, and role-based access across organizations.
- **Ed-Cred** (Next.js · NestJS · PostgreSQL) — Anonymous educational review platform with privacy systems, moderation, and multi-role access.
- **Ed-Cred Mobile** (React Native · Expo · NativeWind) — Cross-platform iOS & Android app with push notifications and offline access.
- **EQ360** (Next.js · NestJS · PostgreSQL) — Emotional intelligence assessment across 18 sub-competencies with data visualization dashboards.
- **Iconix Medical** (Next.js · GraphQL · Chargebee) — Patient portal with appointments, medical records, and secure subscription billing.
- **Gurus Online** (Next.js · NestJS · ABAC) — International Mandarin e-learning with live sessions and multi-timezone scheduling.
- **PitchGo** (Next.js · Express · MongoDB · Stripe) — Sports ground booking with real-time availability, location search, and payment processing.

TECHNICAL SKILLS

Languages: JavaScript (ES2023), TypeScript, Python, PHP, C++, Java, HTML5, CSS3
Frontend: Next.js (Expert), React.js (Expert), Remix, Angular, Vue.js
Backend: Node.js (Advanced), NestJS, Express.js, Laravel (API consumption), FastAPI
Mobile: React Native, Expo, NativeWind, Jetpack Compose
Databases: PostgreSQL, MongoDB, MySQL | ORM/Cache: Prisma, Mongoose, Redis
State Mgmt: Redux (Advanced), TanStack Query (Expert), Zustand
Auth & API: JWT, OAuth 2.0, next-auth, RBAC, ABAC | RESTful APIs, GraphQL
Payments: Stripe, Chargebee, Razorpay
Real-Time: Socket.io, Pusher.js, Laravel Echo, TanStack Virtual
DevOps: Git (Expert), Docker, Vercel, Firebase, Supabase, Linux Servers
UI Libraries: shadcn/ui, Ant Design, Material UI, Tailwind CSS, Bootstrap

EDUCATION & CERTIFICATIONS

BS Computer Science — Virtual University of Pakistan | Diploma in Web Programming & Networking — Islamia University Bahawalpur
Certifications: Google IT Automation with Python • Using Python to Interact with OS • Introduction to Git & GitHub (Google / Coursera)