SHAHZAIB AWAN

Full Stack Developer

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SUMMARY

Full Stack Developer with 2+ years of hands-on experience building scalable web and mobile applications using Next.js, React.js, React Native, Node.js, TypeScript, Python, MySQL, and Drizzle ORM. Recently completed a Bachelor's degree in Computer Science with strong expertise in frontend development, backend development, REST API integration, authentication systems, role-based access control (RBAC), database design, and responsive UI development. Developed multiple production-style SaaS applications, including an AI chatbot platform and restaurant management system, with a focus on clean architecture, real-time features, performance optimization, scalability, and modern user experience.

EXPERIENCE

Freelance / Self-Employed | Full Stack Developer | Remote

2023 – Present

- Designed and deployed 3+ full-stack web applications using Next.js App Router, TypeScript, and MySQL, improving page load performance by up to 40% through server-side rendering and efficient database queries.
- Applied secure JWT-based authentication and role-based access control (RBAC) systems across multiple projects with secure route management and permission-based access management.
- Integrated the Groq API into a production-style AI chatbot platform featuring real-time AI responses, chat history, search/filter functionality, and public/private shareable chat links.
- Engineered RESTful APIs and backend workflows using Next.js Server Actions and Node.js, handling CRUD operations with Drizzle ORM and normalized MySQL schemas.
- Created a cross-platform mobile application using React Native and Expo with reusable component architecture and responsive UI/UX across Android and iOS devices.

SKILLS

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, React Hook Form, Zustand, Shadcn UI

Backend: Node.js, Next.js Server Actions, REST APIs, Authentication, Authorization, RBAC, CRUD Operations, Socket.IO

Databases & ORM: MySQL, SQLite, Drizzle ORM, Supabase, Database Design, Relational Database Modeling

Tools & Platforms: Git, GitHub, Postman, Cloudinary, VS Code, Expo

Additional Skills: Responsive UI Development, AI API Integration, Real-Time Features, Performance Optimization, OOP, SDLC, Debugging, Clean Architecture

PROJECTS

Propely Real Estate — Full Stack Property Marketplace

(Next.js • React • TypeScript • Node.js • Socket.IO • MySQL • Drizzle ORM • Tailwind CSS • Cloudinary • Leaflet)

- Engineered a full-stack real estate marketplace with Next.js, React, and TypeScript for property buying, selling, and renting. Integrated advanced search, filtering, and interactive maps using Leaflet.
- Architected secure authentication, role-based access control, and type-safe backend workflows with Next.js Server Actions and Drizzle ORM. Structured scalable MySQL schemas for property and messaging data.
- Implemented real-time buyer-seller messaging with Socket.IO and integrated Cloudinary for image management. Applied reusable, responsive UI components following scalable architecture principles.

NexBot AI — Full Stack AI Chatbot Platform

(Next.js · TypeScript · MySQL · Drizzle ORM · Groq API · Tailwind CSS)

- Engineered a production-style AI chatbot platform with real-time messaging, AI-generated responses, chat history management, search/filter functionality, and public/private shareable chat links.
- Implemented secure authentication, role-based access control (RBAC), protected routing, user profile management, and an admin analytics dashboard using scalable full-stack architecture.
- Built modular reusable frontend and backend components with optimized database relationships, improving maintainability, scalability, and development efficiency.

Foodya — Restaurant Management System & POS

(Next.js · TypeScript · MySQL · Drizzle ORM · Auth.js · Tailwind CSS)

- Architected a full-stack restaurant management and POS platform supporting order workflows, billing systems, table management, and employee operations.

- Integrated secure authentication, RBAC, role-based route management, user profile management, and admin analytics features using scalable full-stack architecture.
- Designed normalized relational database schemas using MySQL and Drizzle ORM for scalable data management and optimized operational workflows.

Newslytics — Cross-Platform Mobile News Application

(React Native · Expo · TypeScript · Guardian News API · SQLite)

- Developed a cross-platform mobile news application using React Native and Expo with responsive UI/UX, reusable component architecture, and improved mobile rendering performance for Android and iOS devices.
- Integrated the Guardian News API to deliver real-time global news, category-based article feeds, dynamic search functionality, and detailed article pages with scalable API-driven content management.
- Implemented offline bookmark functionality using SQLite local database storage, enabling persistent article saving and offline content access with efficient local data management.
- Built modular frontend architecture using custom React hooks, dynamic routing, reusable UI components, and efficient FlatList rendering to improve maintainability, scalability, and user experience.

EDUCATION

Bachelor of Science in Computer Science

Shah Abdul Latif University (SALU), Khairpur, Sindh

2022 – 2026 (Completed Coursework, Awaiting Final Result)

Diploma in Information Technology

Sindh Board of Technical Education

2020 – 2021