Omer Ahmed

Phone: +249 912684853 | Portfolio: **My portfolio** | Location: Saudi Arabia
LinkedIn | **GitHub**

PROFESSIONAL SUMMARY

Full-stack developer skilled in TypeScript, Node.js, React, Firebase, and Supabase, with strong experience in building secure, scalable, and data-driven web applications. Passionate about real-time systems, map-based apps, and cloud services. Fast learner with a focus on clean architecture and team collaboration.

EXPERIENCE

Freelance Backend Software Developer
Dec 2023 – Present | Remote
- Developed full-stack web applications for clients using Next.js, Node.js, Firebase, and Supabase.
- Built robust REST APIs and backend systems ensuring performance and security.
- Integrated third-party APIs and services, including real-time tracking with Mapbox GL JS.
- Managed relational and NoSQL databases (PostgreSQL, MongoDB).
- Delivered scalable, responsive applications and handled deployments on AWS.

AI Trainer
Nov 2024 – Present | LabelBox, Remote
- Used AI tools to teach and improve machine learning models.
- Worked with teams to make sure AI training data was high-quality.

EDUCATION

Bachelor's Degree in Electrical and Electronic Engineering
2014 – 2019 | Gezira College Of Technology, Khartoum, Sudan
- Specialization in Telecommunication Engineering (Second Class, Division One).
- Networking Diploma certification achieved during undergraduate studies.

CERTIFICATIONS AND ACHIEVEMENTS
- Networking Diploma: Learned networking basics and protocols.
- Completed freelance projects, making fast and reliable backend systems.
- Interested in learning more about Artificial Intelligence and Cloud Computing.

PROJECTS

Smart Lead Flow Hub
Apr/2025

Frontend: React, TypeScript, Vite, Tailwind CSS, Shadcn UI
Backend: NestJS, TypeORM, PostgreSQL, Redis
- **Developed a full-stack CRM application for lead and campaign management.**
- **Built a secure authentication system with JWT and role-based access.**
- **Designed dashboards with Recharts for lead analytics and performance metrics.**
- **Implemented modules for leads, campaigns, tasks, and file management.**
- **Enabled real-time notifications and team collaboration tools.**
- **Built RESTful APIs with NestJS and documented them using Swagger.**

Vehicle Recovery & Tracking System
Mar/2025 – Apr/2025

Frontend: Next.js, TypeScript, Tailwind CSS.
Backend: Firebase Admin, Supabase.
- **Developed a real-time web platform for tracking stolen vehicles with geospatial visualization.**
- **Implemented secure, role-based access control with separate dashboards for users and admins.**
- **Integrated intelligent vehicle-matching logic and automated "find request" features.**
- **Built bilingual UI (Arabic/English) with RTL/LTR support and mobile responsiveness.**
- **Added image upload system for vehicle documentation with secure cloud storage.**
- **Delivered advanced filtering, clustering, and dynamic search functionality on Mapbox GL.**
- **Improved efficiency of recovery efforts through interactive geolocation and admin tools.**

Donation Platform (Full-Stack Web Application)
Dec/2024 – Feb/2025

- **Developed a full-stack web application for disaster relief and crisis management, connecting donors with organizations and crisis projects.**
- **Implemented an interactive map interface using Mapbox GL JS to visualize crises and manage donations.**
- **Integrated Firebase for secure authentication and Supabase for database management.**
- **Built core features including crisis management, organization registration, project tracking, and secure donation processing.**
- **Designed a responsive UI using Next.js, React, TypeScript, and Tailwind CSS.**
- **Enabled real-time updates and geographic data visualization for crisis points and donation tracking.**

SKILLS

Languages & Frameworks:

- **JavaScript (strong), TypeScript, Python (basic), Java (basic)**
- **Node.js, Express.js, NestJS, Next.js, React**
- **Tailwind CSS, HTML5/CSS3**

Backend & Database:

- **Firebase, Supabase, PostgreSQL, MongoDB**
- **REST APIs, WebSocket, Firebase Admin SDK**

Tools & Platforms:

- **Git, GitHub, VS Code, Docker (basic), AWS (SST)**
- **Mapbox GL JS, PostGIS (familiar)**

Soft Skills:

- **Problem-Solving & Debugging**
- **Clear Communication & Team Collaboration**
- **Fast Learner, Attention to Detail**

AREAS OF INTEREST

- **Full-Stack Development**
- **Backend Development**
- **Cloud and Distributed Systems**
- **Geographic Data Visualization**

LANGUAGES

- **English: Proficient**
- **Arabic: Native**