

Omer Ahmed

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PROFESSIONAL SUMMARY

Backend and 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.
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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.
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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.
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PROJECTS

Smart Lead Flow Hub

Apr/2025

Frontend: React, TypeScript, Vite, Tailwind CSS, Shaden 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.
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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**
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AREAS OF INTEREST

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

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