

# 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.

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## 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**