Ahmed Maher Algohary

Software Engineer | Full Stack Developer (Frontend, Backend)

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Profile

I am a **Frontend Developer** with a Bachelor's in **Computer and Control Systems Engineering**, passionate about building dynamic, responsive, and accessible web applications. I have a proven track record of delivering scalable, high-performance solutions with a strong focus on UX, SEO, and clean, maintainable code. Committed to leveraging modern technologies and best practices to drive innovation and contribute to the company's business growth.

Education

Bachelor of Computer and Control Systems Engineering,   2020 – 2025
Faculty of Engineering, Mansoura University ⎘   Mansoura, Egypt

- **Cumulative Grade:** Excellent with honors
- **Graduation Project Grade:** Excellent

Digital Egypt Pioneers Initiative - Full Stack Web Development Diploma ⎘   Apr 2024 – Oct 2024
    Egypt

- Selected for a competitive national scholarship focused on full-stack web development (HTML, CSS, JavaScript, React, Node.js, Express, MongoDB, Git, Docker).
- Appointed as **Team Leader** due to demonstrated commitment, technical excellence, and leadership capabilities.
- Led the team to develop a **Real Estate Web Application** ⎘ as a graduation project, which was awarded **1st place** among all cohorts.
- Gained hands-on experience building responsive UIs, RESTful APIs, and deploying applications using modern web technologies.

Professional Experience

Software Engineer (Summer Training), *Egyptian Electricity Holding Company* ⎘   Jun 2023 – Sep 2023
    Dakahlia, Egypt

- Provided comprehensive technical support for the organization's devices.
- Diagnosed and resolved operating system malfunctions to ensure seamless operations

Skills

Web Design (HTML/HTML5 ⎸ CSS / CSS3 ⎸ Bootstrap ⎸ Tailwind CSS ⎸ Sass (Scss) ⎸ Material UI (MUI))

Frontend Development (JavaScript ⎸ TypeScript ⎸ ECMAScript (ES6+) ⎸ OOP ⎸ JSON ⎸ Ajax (XHR) ⎸ Fetch API & Axios ⎸ React.js ⎸ JSX ⎸ React Router ⎸ TanStack / React Query ⎸ RTK Query ⎸ State Management (Redux, Redux Toolkit, Context API) ⎸ Styled Components ⎸ WebRTC ⎸ Version Control (Git - GitHub) ⎸ NPM ⎸ Firebase ⎸ Stripe ⎸ PWA ⎸ i18next ⎸ Formik, Yup, Swiper.js, GSAP, Framer Motion....and many more)

Backend Development (Node.js ⎸ Express.js ⎸ Design Patterns (mvc, ...))

Databases (MongoDB ⎸ ODM (Mongoose) ⎸ MySQL [Basics])

Other Technical Skills: (Cross-browser Compatibility ⎸ Web Accessibility ⎸ SEO Basics ⎸ Networking Fundamentals ⎸ Prompt Engineering ⎸ Command Line ⎸ Browser DevTools ⎸ Error Handling, Debugging)

Projects

SignLink, *Graduation Project – Grade: A+ (Excellent)* ⬈
- **Description:** SignLink is a web and mobile application that translates Arabic Sign Language (ArSL) into real-time text subtitles (Arabic & English), aiming to bridge communication gaps for the deaf and hard-of-hearing community.
- **What I Did:**
  - Led the frontend development using **React.js**, **Vite**, **Redux Toolkit**, **TanStack Query**, and **React Router** in a scalable, modular architecture.
  - Built a responsive, accessible UI with **SCSS**, **Formik**, and **Yup**, ensuring clean form handling and validation.
  - Integrated **WebRTC** and **Firebase Firestore** for real-time peer-to-peer video communication and signaling.
  - Applied **lazy loading**, **Framer Motion** animations, **SEO meta optimization**, and accessibility best practices to enhance performance and user experience.   **Live Preview** ⬈

MovieStreamAR - Movie Streaming Platform (Arabic) ⬈
- Developed a responsive **SPA** for discovering and managing movies and TV series tailored to Arabic-speaking users.
- Implemented user authentication and personalized watchlist features using **React** and **Firebase**.
- Integrated advanced search, filtering, and trending/upcoming sections with **TanStack Query**, **Axios**, **Redux Toolkit**.
- SEO-friendly with dynamic and reusable UI components (**Bootstrap**, **CSS Modules**). Optimized performance, scalability, and seamless navigation with **prefetching**, **lazy loading**, and **React Router**.   **Repo** ⬈

Product Management System [CRUD Operations] ⬈
- Developed a responsive web application for product management with full CRUD operations and search functionality.
- Implemented persistent data storage using localStorage to maintain data across sessions.
- Designed a dynamic, user-friendly interface with dark/light mode options and a mobile-first, responsive design to enhance user experience (UX) and accessibility across devices.
- **Used Techs:** HTML, CSS, JavaScript, Git, Bootstrap   **Repo** ⬈

Full Stack Real Estate Web App ⬈
- A modern and fully responsive real estate web application designed to provide seamless property management and booking experiences. This application offers features like property listings, favorites management, booking functionalities, easy navigation, and many more.   **Repo** ⬈
- **Used Tech:** HTML, CSS, React.js, Mantine UI, React Query, Toastify, Node.js, Express.js, Prisma, MongoDB, Auth0

Wind Power Predictor
- Developed a machine learning project that forecasts turbine output using real-time data from Turkish wind farms, with a web app interface for easy access to predictions.   **Repo** ⬈
- **Used Technologies:** Python, Flask Framework, JSON, JavaScript, HTML/HTML5, CSS/CSS3, PWA, ML Algorithms

Courses

- Full Stack Development - MERN, ITI (Information Tech Institute) ⬈
- Front-End Web Development, ITI (Information Technology Institute) [150 hours] ⬈
- Front-End Web Developer Path, LinkedIn Learning
- Web Design Training, NTI (National Telecommunication Institute) [120 hours] ⬈

Languages

Arabic — Native/Bilingual   **English** — Proficient

Academic Engagements and Achievements

- Led my team to **1st** place in the Line Follower Robot Competition & 2nd place in the Sumo Robot Competition.
- Achieved an **A+** grade in multiple projects, including the Smart Home Model, AI Models for Diabetes Prediction, Tumors Detection, and Facial Recognition System.

These achievements demonstrate my leadership ability, technical proficiency, and academic excellence.