Mohamed Ayman

Software Engineer

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Profile

Full-stack engineer with experience building and maintaining responsive web applications using React, TypeScript, Node.js, and PostgreSQL. Developed a real-time chat application with WebSockets and MongoDB, and built RESTful APIs and cloud-based data solutions. Fast learner focused on shipping reliable product features and growing across the modern development stack.

Experience

React Web Developer

Depi · Apr 2024 — Oct 2024

• Developed and maintained full-stack web applications using React, Node.js, and PostgreSQL with a focus on responsive UI and seamless API integration.

• Collaborated with cross-functional teams to implement new features, debug issues, and optimize application performance across the development lifecycle.

Full-Stack Developer Intern

Peerless Technology · 2025

• Built a real-time chat application using WebSockets, React, Tailwind CSS, Vite, Redux, and MongoDB Atlas, enabling instant two-way messaging.

• Designed, tested, and validated RESTful APIs using Postman, and managed cloud-based NoSQL databases with MongoDB Atlas and Compass.

• Gained foundational knowledge of the Odoo ERP platform, exploring its modular architecture and enterprise applications.

Projects

MediStream Outpatient Clinics Management System

Aug 2025 — Jun 2026

• Developed a full-stack, AI-enhanced outpatient clinic management system for Al Kasr Al Ainy Hospitals serving 50+ clinics.

• Built a bilingual (EN/AR) responsive frontend with role-based dashboards for Super Admin, Doctor, and Patient portals.

• Integrated AI-powered features including National ID OCR scanning and voice-to-text clinical dictation.

Stack: Next.js, React, TypeScript, Tailwind, NestJS, PostgreSQL, Docker, RabbitMQ

Education

BSc in Biomedical Data Engineering

Faculty of Engineering, Cairo University · Graduated 2026

Graduation project: MediStream OCMS — AI-Enhanced Outpatient Clinics Management System.

Skills

Languages

TypeScript, JavaScript (ES6+), Python, C++, MATLAB

Technologies

Next.js, React, Node.js, NestJS, Express, PostgreSQL, Docker, RabbitMQ, Tailwind CSS, Shadcn UI, React Query, Zustand, Firebase, H

Soft Skills

Problem Solving, Teamwork, Communication, Fast Learner, Adaptability, Leadership

Spoken Languages

Arabic — Native

English — C1

German — A2

French — A1