

Omar Abd El-Aleem

Front-End Developer

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Objective

Front-End Developer specializing in building scalable, responsive, high-performance web applications using React, Next.js, and TypeScript. Experienced in state management (Redux), UI engineering (Tailwind, shadcn/ui), and full-stack development with Node.js, Prisma, and PostgreSQL. Passionate about optimizing performance, improving usability, and delivering clean, maintainable code.

Technical Skills

- | | | | |
|----------------|--------------|--------------|-------------------|
| • JavaScript | • React.js | • Next.js | • TypeScript |
| • Tailwind CSS | • Node.js | • Express.js | • Prisma ORM |
| • Supabase | • PostgreSQL | • Algorithms | • Data Structures |

Experience

Software Engineer / Instructor

ISchool, Cairo, Egypt (Aug 2024 – Present)

- Developed interactive educational web applications using React and TypeScript to enhance student learning.
- Mentored 100+ students in Python, C++, and JavaScript, improving engagement through project-based teaching.

Embedded Software Engineer

Robotics Corner, Cairo, Egypt (Jun 2023 – Aug 2024)

- Built optimized embedded C++ systems, achieving a 20% performance improvement.
- Collaborated on robotics interfaces and system optimization, applying problem-solving and OOP principles.

Projects

Basket E-Commerce (Next.js, React, TypeScript, Tailwind, Supabase):

- Built a full e-commerce platform with authentication, product catalogs, and secure checkout.
- Reduced loading time using optimized image handling and server-side rendering.

Food Ordering App(Next.js, TypeScript, Redux Toolkit, Prisma, PostgreSQL):

- Developed a full-stack food ordering system with menu browsing, cart flow, and order management.
- Built a scalable backend with Prisma + PostgreSQL and used Redux Toolkit for robust global state management.

LMS Platform (Next.js, React 19, TypeScript, Tailwind, shadcn/ui, Redux Toolkit):

- Created a modern LMS with role-based authentication, lesson/content management, and a production-ready exam module.
- Engineered reusable UI components, optimized form handling with Formik/Yup, and added animations plus toast feedback for UX.

AI LMS with Conversational Tutor (Next.js, TypeScript, Clerk Auth, shadcn/ui):

- Built an LMS that allows users to create lessons and interact with an AI tutor through real-time chat.
- Implemented Clerk for authentication, designed reusable UI, and integrated AI conversation logic for personalized learning.

Education

Beni-Sweif Technological University

Bachelor's Degree of Science in Mechatronics

Graduation Grade: Very Good.

, Beni-Sweif | **10/01/2019 – 06/28/2023**

Project Grade: *Excellent*