

# 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.

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## **Education**

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### **Beni-Sweif Technological University**

Bachelor's Degree of Science in Mechatronics

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

**Graduation Grade:** Very Good.

**Project Grade:** Excellent