

Mohamed Hassan

Front-End Developer (React / Next.js / TypeScript)

 Cairo, Egypt

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 GitHub

 LinkedIn

 Portfolio

 Bachelor's Degree in Computer Science

Professional Summary

Front-End Developer specializing in React, Next.js, and TypeScript with hands-on experience building production-grade dashboards, AI-powered platforms, and B2B systems. Experienced in developing scalable user interfaces, integrating REST APIs, optimizing application performance, and collaborating with back-end teams to deliver maintainable, high-quality software. Familiar with Node.js and Express, enabling effective full-stack collaboration and system integration. Passionate about clean architecture, performance optimization, and building reliable user experiences.

Professional Experience

- Uni & Do – Front-End Developer (Remote)** (July 2025 – Present)

Developed internal dashboards managing end-to-end company operations across multiple departments. Automated report generation by building Excel and Word export functionality, eliminating manual file creation for the team. Integrated interactive charts to visualize business growth and workflow trends. Contributed to a critical performance fix by extracting real-time WebSocket logic into a standalone Express.js microservice, decoupling it from the main Strapi CMS and reducing server RAM load.
- Tech-Yard Hub – Front-End Developer (On-site)** (February 2025 – July 2025)

Built a full-featured admin dashboard for an Apple devices e-commerce platform, implementing role-based access control on the front-end for two distinct user roles: Admin and Data Entry operators. Centralized core business operations including product management and employee CV submissions, giving the admin complete oversight of platform activity.
- Ideas & Concepts – Front-End Intern (Remote - Part-time)** (January 2025 – April 2025)

Developed UI components and gained foundational experience with Node.js back-end integration in a remote part-time environment.

Key Projects

- Speech Therapy Platform (AI-Powered Learning for Children)** (Production – private client project)

Built an AI-powered speech therapy platform that assessed children's pronunciation accuracy using AI models. After each session, the system calculated a performance score based on correct pronunciation, assigning a percentage accuracy per session. The cumulative session results were stored in the student's profile, allowing both students and parents to track progress and improve pronunciation skills over time, with the admin overseeing all sessions
- E-Commerce Website** [view](#) 

Performed a full refactor of the entire e-commerce platform, transforming legacy code with anti-patterns into clean, best-practice architecture, improving performance and maintainability, and enabling seamless scalability
- B2B Platform** [view](#) 

Contributed to a complex B2B platform with multiple dashboards for vendors, factories, admins, and logistics. Implemented features for order tracking, electronic payments, and real-time financial transfers. Designed and integrated data charts for revenue analysis, ensuring seamless navigation and management across all stakeholders
- Ousketch** [view](#) 

Skills

- React, Next.js, React Native (Expo), TypeScript, JavaScript, HTML5, CSS3
- Tailwind CSS, SCSS, Shadcn UI, Redux Toolkit, Zustand, React Query
- Node.js, Express, Strapi, Supabase, Axios, REST APIs
- Jest, Playwright, Git, GitHub Actions, Clean Code, SOLID, CI/CD