

AHMED MOHAMED AHMED HUSSEIN

Front-End Engineer | React • Next.js • TypeScript

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PROFESSIONAL SUMMARY

Results-driven Front-End Developer with production experience building scalable, accessible web applications using React, Next.js, and TypeScript. Proven track record delivering modular, maintainable codebases — from hackathon platforms serving thousands of users to MAP_TRADE, a complex multi-module farm-management ERP. Combines strong UI/UX instincts with clean-code discipline. Currently pursuing a B.Sc. in Computer Science at Helwan University.

TECHNICAL SKILLS

Core Stack	React.js • Next.js 14 • TypeScript • JavaScript (ES2024) • HTML5
Styling	Tailwind CSS • shadcn/ui • MUI • Bootstrap • CSS3 / SCSS
State & Data	React Query (TanStack) • Zustand • Redux Toolkit • Context API
Backend / DB	Node.js • Express.js • MongoDB • SQL • REST APIs • JWT • Spring boot
Tooling	Git • GitHub • Vite • Webpack • Figma • NPM • Docker
Languages	C • C++ • Java • Python • C#

EXPERIENCE

Frontend Engineer • NASA Space Apps Cairo	2025
- Built reusable dynamic form components with full validation and CRUD operations serving thousands of hackathon participants. - Delivered scalable hackathon management features using React and TypeScript across a high-traffic platform.	
Front-End Engineer • MAP_TRADE ERP System (Freelance)	2026
- Own the front end of MAP_TRADE, a multi-module farm-management ERP (Next.js 14, TypeScript, Tailwind, shadcn/ui), spanning CRM, Purchases/Inventory, Accounting, Reports, Payroll, Kitchen Management, Plant/QR tracking, and Training Certificates. - Built the CRM module (lead conversion, record timeline, Zod-validated forms) and the Purchases/Inventory module modeling the full PurchaseOrder → GoodsReceipt → VendorBill → VendorPayment flow.	
Data Analytics & Web Intern • MCIT	2025
Applied Power BI and DAX for business data analysis; explored AI fundamentals and full-stack web development.	
ESG Program Intern • CIB Summer Internship	2025
Completed training in sustainable finance frameworks and ESG reporting standards.	

PROJECTS

MAP_TRADE ERP System · Next.js · TypeScript · Tailwind · shadcn/ui · React Query · Zustand 2026

- ▶ Multi-tenant ERP with 8+ modules (CRM, Purchases/Inventory, Accounting, Reports, Payroll, Kitchen, Plant/QR, Training); year × farm navigation; role-aware routing; attendance enforcement configurable by admin.
- ▶ Purchases/Inventory module modeling the full PurchaseOrder → GoodsReceipt → VendorBill → VendorPayment flow, plus a CRM module with lead conversion and Zod-validated forms.

NASA Space Apps Platform · React · Next.js · TypeScript 2025

- ▶ Hackathon management platform with reusable dynamic forms, team CRUD, and a scalable component library.

Study Group · React · TypeScript 2026

- ▶ Study Group is a real-time collaborative learning platform built with React and SignalR, enabling students to join study groups, share materials, and participate in live discussions.

GYM management · React · Spring boot 2026

- ▶ GYM Management System built with React.js and Spring Boot Microservices, featuring JWT authentication, subscription, equipment, attendance, and financial management with Dockerized deployment and RBAC.

E-Commerce SPA · React · JWT · Tailwind CSS 2024

- ▶ Full shopping flow: authentication, product catalog, cart, checkout, and order management with JWT-secured routes.

LinkUp Social App · Next.js · Redux Toolkit 2024

- ▶ Authentication, post creation, likes/comments, and optimistic UI updates.

ArtSync Gallery · HTML · CSS · JavaScript 2023

- ▶ Multi-role creative marketplace with payment integration and artist portfolio management.

EDUCATION

B.Sc. Computer Science · Helwan University 2023 – 2027

Front-End React Diploma · Route Academy Mar 2025

Back-End Node.js Course · Udemy 2026

MEAN Stack Diploma · National Telecommunication Institute (NTI) 2026

CERTIFICATIONS

- Route – Frontend Development Diploma (2025)
- MCIT – Data Analytics & Introduction to Web Development (2025)
- CIB – The Green Leap ESG Internship (2025)
- Goethe Institute – German Language Certificate B1 (2022)

VOLUNTEERING

- IEEE – Logistics Committee Member (2025)
- NASA Space Apps Cairo – Frontend Volunteer (2025)
- ALX Egypt – Community Engagement Member (2025)
- MSP Helwan – Frontend Head (2026)
- 180Daraga – PR & FR Member (2026)

LANGUAGES

Arabic (Native) **English** (Professional) **German** (B1)