

AMR MOSALLEM

FULL-STACK WEB DEVELOPER

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Full-stack developer in Next.js, React and TypeScript, with 10+ applications shipped end to end — three paid client platforms delivered solo, and a real-time 3D virtual-classroom platform built as sole developer and graded A. Also led a 100+ trainee developer community to a 4.94/5 instructor rating.

SELECTED PROJECTS

Aularis — Graduation Project · Team Lead & Sole Developer 2026

AI-powered 3D virtual lecture platform: up to 200 concurrent avatars in a browser-rendered auditorium with proximity spatial voice, in-world quizzes, live AI Q&A and automatic transcription. Originated the concept, led the team, and wrote the entire codebase. **Graded A (Excellent)**; rated 4.5/5 by users.

Next.js 16 · React 19 · Three.js / React Three Fiber · NestJS · Prisma · PostgreSQL · Redis · WebRTC (LiveKit, mediasoup) · Socket.IO · Gemini

Tech Mastery — Freelance Client · Solo 2025

Bilingual (EN/AR, RTL) booking platform for IT services, courses and mentorship programs, with a role-based admin dashboard managing the full booking and payment lifecycle.

Next.js · TypeScript · Prisma · PostgreSQL · NextAuth · next-intl · GSAP · Framer Motion · Recharts

TG5 Gamer Fuel Shop — Freelance Client · Solo 2025

Bilingual e-commerce platform with interactive 3D product previews, a configurable discount engine, and an admin panel with one-click XLSX sales reporting.

Next.js · Three.js · TypeScript · Prisma · PostgreSQL · TanStack Query · NextAuth

SoftWave — Freelance · Lead Developer (team of two) 2026

Server-first bilingual platform on SSG/ISR, secured with Redis sliding-window rate limiting on both IP and identifier, plus token-based password recovery.

Next.js 16 · React 19 · Prisma 7 · PostgreSQL · Auth.js v5 · Upstash Redis · Resend

Bright MU — Mentorship Platform · Solo 2025–2026

Cohort management, scored task submissions, competitions with multi-reviewer evaluation, auto-generated certificates and audit logging — then ran four trainings, two competitions and a five-week camp on it. **Forked and redeployed for a second organisation** (Life Makers). Also shipped *Bright Ramadan*, a 30-day gamified habit layer: **89 participants, 89% quiz accuracy**.

Next.js 16 · React 19 · Prisma · PostgreSQL · NextAuth v5 · GSAP · Recharts · Cloudinary

EXPERIENCE

President — Bright Future, Minia University Feb 2025 – Jul 2026

- Led a student developer community and single-handedly built the platform every program ran on; managed four concurrent technical trainings (101 registered) and taught the Advanced React track.
- Created and led two frontend competitions — one officially sponsored by the faculty — a three-day technical-interview hackathon, and a five-week offline coding camp as Technical Head.

Technical Instructor — Life Makers, Minia University Jul 2025 – Present

Lead instructor and content planner for the Summer Up web-development camp. Rated **4.94/5** across 36 trainee ratings; 4.50/5 across 403 ratings from 68 students overall.

Chairman — IEEE Minya University Student Branch Oct 2025 – Aug 2026

Led a branch of 80+ members across four committees; launched five study-group tracks (AI, Cybersecurity, Backend, Frontend, UI/UX). Designed and ran *IEEE League of Code*, a full-day competitive-programming event on Codeforces with ICPC Minia — seeded group stages, knockouts and a frozen-scoreboard final.

Freelance Video Editor — 100+ cinematic, educational and promotional videos in After Effects and Premiere Pro 2022 – 2023

EDUCATION

BSc Computer Science — Faculty of Computers and Information, Minia University · GPA 3.74/4.0 (Excellent) June 2026

CERTIFICATIONS

Advanced Data Analytics — National Telecommunication Institute (NTI) · 120 hrs · 86.5% 2025

Machine Learning for Data Analysis — NTI / Digital Egypt Youth · 120 hrs · 88% 2024

MERN Stack Development — Information Technology Institute (ITI) 2022

SKILLS

Core	TypeScript, JavaScript, Next.js, React, Node.js, NestJS
Frontend	Tailwind CSS, Radix UI, GSAP, Three.js / React Three Fiber, Zustand, TanStack Query, React Hook Form, Zod
Backend	PostgreSQL, Prisma, Redis, Server Actions, REST, Socket.IO, WebRTC, NextAuth / Auth.js, RBAC, rate limiting
Tools	Monorepos, i18n (EN/AR, RTL), SSG/ISR, Vercel, Hetzner VPS, Cloudinary, Git, Python, SQL, Power BI
Languages	Arabic (native) · English (professional working proficiency)