Mahmoud Abdelhakam

Junior Full-Stack Developer | Next.js & Node.js

mahmoudabdelhakam622@gmail.com | 01501571866
linkedin.com/in/abdelhakam21 | github.com/Abdelhakam23

EDUCATION

B.Sc. in Computer Science (GPA 3.21) 2020 – 2024
Sadat City University Sadat City

PROFILE

Junior developer with a B.Sc. in Computer Science. Builds React.js and Next.js front ends in TypeScript with Tailwind CSS, and the Node.js/Express and Next.js API back ends behind them, with MongoDB/Mongoose and SQL, authentication (NextAuth), role-based access and Zod validation. Background in algorithms and problem solving (ICPC coach) and Flutter mobile development. Uses AI tools (vibe coding) to speed up development.

PROFESSIONAL EXPERIENCE

Full Stack Developer 6 months total
IT-ZAIN Smart Village

- Collaborated with cross-functional teams in an Agile/Scrum environment, integrating UI components with backend APIs while maintaining clean code.

PROJECTS

E-Commerce Web Application | Live demo
Next.js, TypeScript, MongoDB/Mongoose, NextAuth, Stripe, Tailwind CSS, Zod

- Built catalog, cart, wishlist and order modules with bilingual Arabic/English interfaces.
- Implemented server-side price/stock validation, database-role authorization and signed Stripe webhooks.

Sportz: Live Sports Commentary API | GitHub
Node.js, Express, TypeScript, PostgreSQL/Neon, Prisma, WebSocket (ws), Zod, Arcjet

- Built REST endpoints to create/list matches and publish/retrieve match commentary with Prisma.
- Implemented per-match WebSocket subscriptions and broadcasts for commentary and new matches.
- Added Zod request validation and Arcjet rate limiting on HTTP and WebSocket upgrades.

Islamic Learning Platform (in development) | Live demo
Next.js, React, TypeScript, Tailwind CSS, local typed content

- Built Arabic-first RTL Wudu/Salah lessons, illustrated steps, Hadith browsing and Arabic-aware search.
- Exposed local lesson and Hadith content through read-only API routes; no database dependency.

Fluent Hands: Arabic Sign Language Translator | GitHub
Flutter, Python

- Team project connecting an Arabic sign-language translation model with a Flutter learning interface.

COURSES

Frontend Diploma 04/2026 – 07/2026
Route Academy

- 400+ hour program on modern frontend architectures and advanced JavaScript frameworks.

Mobile Development (Flutter) 07/2023 – 12/2023
Route Academy Maadi

- Dart, OOP, advanced widgets, state management, APIs, Firebase, Clean Architecture, SOLID, Agile.

Backend Course
Amin Amged

- Node.js server-side development: setup, building APIs, managing databases and core back-end architecture, with hands-on projects using AI-driven (vibe coding) workflows.

SKILLS

Frontend
HTML, CSS, JavaScript, TypeScript, React, Next.js, Redux, Tailwind CSS, Bootstrap, React Hook Form, Zod, TanStack

Tools
Git, GitHub, Agile methodology, vibe coding

Languages
Arabic (native), English (fluent)

Backend
Node.js, Express.js, RESTful APIs, SQL, MongoDB/Mongoose, authentication (NextAuth), authorization

Mobile
Flutter, Dart, Cubit, Provider, MVVM, Clean Architecture, SOLID, Firebase, responsive UI

Core
C++, Java, OOP, data structures, algorithms, problem solving