MOHAMED ASHRAF

Backend Engineer · MERN Stack
Alexandria, Egypt · 01272317675 · mohamedashref2003195@gmail.com
LinkedIn · Github

PROFESSIONAL SUMMARY

Computer Science graduate and dedicated Backend Engineer with **1+ year** of hands-on experience specializing in the MERN stack. Proven ability to build the engines behind scalable products — including robust APIs, real-time systems, and secure payment integrations. Passionate about solving logic-heavy problems and deploying reliable infrastructure that handles real-world edge cases.

TECHNICAL SKILLS

Backend & Frameworks: *Node.js, Express.js, RESTful APIs*
Databases: *MongoDB, PostgreSQL, NoSQL Architecture*
Cloud & DevOps: *AWS EC2, Firebase, Zero-Downtime Deployment*
Tools & Integrations: *Stripe API, Capacitor, JWT Authentication, Git, Mapbox, AI API Integrations*

PROJECTS

Masar — AI Freelancing Platform *Graduation Project* GitHub Repo Live Demo

Node.js, Express, MongoDB, Stripe, AI

- Engineered a full-stack freelancing platform in a **5-person agile team**, featuring an AI-driven requirements builder that reduced project scoping time by **40%**.
- Integrated a Stripe escrow system to process transactions with **100%** secure funds retention until project milestones are successfully delivered.

Aqra — Smart Quran Companion *Published on Google Play* GitHub Repo Google Play

Node.js, MongoDB, Capacitor, AWS EC2, Firebase

- Developed and deployed an AI-powered mobile application achieving **sub-second** real-time voice recognition latency for recitation correction.
- Architected a scalable Node.js backend hosted on AWS EC2, ensuring **99.9%** high availability and zero-downtime deployments for users.

Tigi Hagz — Pitch Booking App GitHub Repo Google Play Website

Node.js, Express, MongoDB, Capacitor, Webhooks

- Developed and published an Arabic-first **Android app on Google Play** for booking football pitches, with real-time slot availability that prevents double bookings, plus an admin dashboard for managing venues and bookings.
- Automated deposit verification by building a secure **SMS-webhook payment flow** that matches e-wallet transfers to pending bookings and confirms them with no manual review.

CTS — Events & Courses Booking Platform GitHub Repo Live Demo

Node.js, Express, MongoDB, React, Vercel, QR Tickets

- Built the Node.js backend and REST API for a live client platform where admins publish events and courses and customers browse and book in minutes.
- Implemented a manual-payment approval workflow (transfer screenshot upload, admin confirmation) that issues a unique **QR-code ticket** per booking, scanned at the event entrance.

EDUCATION

Benha University — Faculty of Computers & Artificial Intelligence

*Bachelor of Computer Science · **2026***

VOLUNTEERING EXPERIENCE

Backend Developer Volunteer

Ana Mutatawea — Cairo International Book Fair

- Built backend features for bookfairgo, the official Cairo International Book Fair app (TypeScript, Node.js).
- Architected and executed robust data seeding scripts using Prisma ORM to efficiently populate the production database with **10,000+** initial records (publishers, books, and events) in under **5 seconds**.
- Collaborated in an agile team of 11 developers using Git/GitHub (pull requests, merge conflicts) and helped configure backend deployment (Nginx) to handle **1,000+** concurrent daily users.