

Ahmed Magdy

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Full Stack Engineer

Full Stack Engineer with hands-on experience building production-grade web applications using NestJS, Next.js, PostgreSQL, and MongoDB. Currently developing a healthcare platform (Gen Z App) covering everything from database architecture to responsive UI. Passionate about clean architecture and AI-powered tools, seeking a role at a product-driven tech company.

PROFESSIONAL EXPERIENCE

Gen Z Wellness App Full Stack Engineer (Contract)

Dec 2025 - Present | Remote

- Migrated core database **from MongoDB to PostgreSQL** using the **Repository Pattern**, ensuring zero data loss
- **Migrated a legacy React codebase to Next.js across 50+ pages**, improving performance, SEO, and scalability
- Designed a modular **internationalized architecture (i18n)** supporting Arabic and English
- Built a **session booking system** connecting **users with 50+ verified care providers**
- Built **real-time chat and community system using WebSockets** supporting live interactions across users
- **Migrated the app from Azure to a VPS**, reducing costs and improving server performance and security
- Engineered automated **CI/CD pipelines** for both **Staging and Production** environments using GitHub Actions

Leopard ERP & Online Store Full Stack Engineer (Contract)

Jul 2024 – Dec 2025 | Remote

- Migrated backend **from Express.js to NestJS**, refactoring architecture into a modular, scalable structure
- Migrated a disorganized legacy dataset **from MongoDB to PostgreSQL**, redesigning schema, optimizing queries and indexing strategy, **improving overall system performance by ~35% and reporting speed by ~50%**, while ensuring data integrity and consistency during migration.
- **Improved page load performance by ~45%** using Incremental Static Regeneration (**ISR**) and image optimization
- Implemented secure authentication using short-lived access token and refresh token rotation and Google OAuth
- Designed internal staff with **customizable permission system** (beyond standard RBAC)
- Designed full **i18n support with Arabic and English** multilingual experience
- Integrated **Paymob payment gateway** for secure online transactions
- Implemented new **reporting and analytics modules** for inventory, sales, and order tracking
- Managed the full **order lifecycle**: product catalog, cart, checkout, and order management
- Built and maintained **CI/CD pipelines using GitHub Actions for automated builds** and production releases

TECHNICAL SKILLS

- **Languages:** TypeScript, JavaScript
- **Frontend Development:** React, Next.js, Tailwind, Shadcn
- **Backend Development:** Node.js, Express.js, NestJS
- **Databases & ORMs:** PostgreSQL, MongoDB, Drizzle ORM, Mongoose
- **DevOps & Cloud:** Linux, Nginx, Docker, GitHub Actions (CI/CD), Vercel
- **Practices:** Agile/Scrum, System Design, Data Modeling, Modular Architecture, Unit Testing (Jest)
- **API & Integrations:** RESTful APIs, WebSocket, GraphQL
- **Payment Integrations:** Stripe, Paymob

EDUCATION | CREDENTIALS

- **Bachelor of Computer Science**, Helwan University, Cairo, Egypt (GPA: 3.2 / 4.0)
 - Graduation Project: **Pro Sales CRM** • A+ 