

# Omar Aglan

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Kafir El-Sheikh, Egypt

## Professional Summary

Full-Stack Software Engineer with strong experience in backend-focused web development using **Node.js** (**Express/NestJS**), **React.js**, and **ASP.NET Core**. Skilled in designing scalable APIs, managing databases, implementing CI/CD pipelines, and delivering complete product lifecycles from architecture to deployment. Proven record leading multi-platform projects and mentoring developers as Founder & Lead Engineer at Pyramid Systems Inc.

## Technical Skills

**Languages:** JavaScript, TypeScript, C#, C/C++, Python, HTML, CSS, SQL

**Frontend:** React, Next.js, Vue.js, Tailwind CSS, Bootstrap

**Backend:** Node.js, Express.js, NestJS, ASP.NET Core, PHP, Firebase

**Databases:** PostgreSQL, MySQL, MongoDB, SQL Server

**DevOps / Tools:** Docker, GitHub Actions, CI/CD, Git, Makefile, CMake

**Architecture:** REST APIs, Microservices, Authentication (JWT/OAuth2), Testing (Unit/Integration)

## Professional Experience

### Pyramid Systems Inc.

*Founder & Lead Software Engineer*

*Remote — 2025 – Present*

- Designed and delivered full-stack products including **Digital-Scribe** (React/TypeScript + Node.js) and **Myriad-Mind** (Python AI system).
- Architected backend services, RESTful APIs, and CI/CD pipelines using Docker & GitHub Actions.
- Oversaw full SDLC—architecture, testing, deployment, monitoring, and production support.
- Mentored junior developers and coordinated cross-functional product releases.

### Rafeek Academy

*Software Engineer*

*Egypt — 2025 – Present*

- Developed full-stack web applications with React/Next.js frontends and Node.js / ASP.NET Core backends.
- Built authentication, authorization, and data-driven APIs integrated with SQL Server and MongoDB.
- Improved backend performance by 25% through query optimization and caching.

### Freelance Projects

*Full-Stack Engineer*

*Remote — 2023 – Present*

- Delivered custom web solutions using React, Vue, Node.js, and PHP.
- Modernized legacy codebases with CI/CD pipelines, improving deployment reliability by 40%.
- Collaborated with international clients across multiple time zones.

## Selected Projects

- **Roshta** — Prescription system (*ASP.NET Core + SQL*): Secure role-based app for doctors/patients.
- **Tracking App** — Task management (*Vue + Express + MongoDB*): Real-time updates & status tracking.
- **Budget Tracker** — Web app (*JavaScript + Tailwind*): Personal finance management tool.

## Education

**ALX Africa** — Professional Diploma in Software Engineering, Excellent (2024–2025)

**Higher Institute of MIS, Kafr El-Sheikh** — B.Sc. Management Information Systems, Very Good (2018–2022)