Yousef Ali Mansour

+20 109 843 3918 | moradyousef954@gmail.com
github.com/yousefalimansour | linkedin.com/in/yousefalimansour

EXPERIENCE

Founder & CEO — NUMU (numueg.app) **2025 – Present**

Multi-tenant e-commerce platform for Egypt and MENA — storefront engine, theme marketplace, integrated payments

- Founded NUMU and lead its product and engineering direction, taking a multi-tenant e-commerce platform from zero to production across Egypt and MENA — 15 merchant storefronts live, 500+ orders processed
- Architected the multi-tenant backend on FastAPI + PostgreSQL with per-tenant data isolation, JWT authentication, and role-based access control (RBAC)
- Built asynchronous workflows with Celery + Redis and integrated payment-gateway and transactional-email flows into the merchant checkout pipeline

EDUCATION

Mansoura University — B.Sc. Computer and Information Science **2022 – 2026**

GPA: 80% (Very Good, ~3.2/4.0) · Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer Networks, Database Systems, Object-Oriented Programming, Software Engineering

CERTIFICATIONS

AWS Certified Cloud Practitioner — Amazon Web Services **Badge**

TECHNICAL SKILLS

Languages: Python, C#, TypeScript, JavaScript, Go, C++, SQL

Backend & APIs: FastAPI, Django, Django REST Framework, Celery, SQLAlchemy, Pydantic, ASP.NET Core, Entity Framework Core, Dapper

Frontend: React, TypeScript, Tailwind CSS, Vite

Databases & Caching: PostgreSQL, SQL Server, SQLite, Redis

Infrastructure & Cloud: Docker, Docker Compose, Git, AWS (EC2, S3, RDS, Lambda, DynamoDB)

Data & Streaming: Kafka, Flink

Testing & Practices: PyTest, Clean Architecture, REST API Design, Multi-tenancy, SOLID, Design Patterns

SOFT SKILLS

Leadership · Communication · Problem-Solving · Team Collaboration · Adaptability · Critical Thinking

PROJECTS

AI Medical Image Analysis Platform **github.com/yousefalimansour/Ai-image-medical-helper**

- Built a full-stack medical-imaging platform (FastAPI + React/TypeScript) that runs AI inference on chest X-rays and skin lesions across 12 condition classes, returning confidence-scored predictions to assist clinicians
- Integrated a Vision Transformer (chest X-ray, via Hugging Face Inference API) and a ConvNeXt model (skin lesion, served locally as TorchScript) behind 5 versioned REST endpoints
- Engineered the backend with Clean Architecture (SQLAlchemy 2.0, Alembic, PostgreSQL), JWT auth, bcrypt password hashing, and audit logging; fully containerized with Docker Compose for one-command deployment

Real-Time Stock Alert Monitoring System **github.com/yousefalimansour/System-alert**

- Built a Django REST Framework API that monitors 10 major technology stocks and sends automated email alerts across 2 user-defined condition types (price threshold and duration)
- Implemented distributed scheduling with Celery + Redis — price refresh every 5 minutes and alert evaluation every 60 seconds, all within a free-tier 800-requests/day market-data budget
- Secured the API with JWT authentication, covered it with a PyTest suite, and shipped Docker Compose configs for dev/prod plus an AWS EC2 deployment guide

Automated Toll Collection API *(Team)* **github.com/yousefalimansour/SmartTollSystem**

- Co-built a .NET 9 toll-collection REST API on a 4-layer Clean Architecture (Domain / Application / Infrastructure / API) with Entity Framework Core and SQL Server
- Implemented JWT authentication with RS256 asymmetric signing, ASP.NET Core Identity, and role-based access control for 3 roles (administrator, vehicle owner, radar system)
- Modeled plate-based toll deduction with transaction logging; documented the API with Swagger and configured containerized deployment (Docker + Railway)

x86 Real-Mode Bootloader **github.com/yousefalimansour/x86-microkernel**

- Wrote a bare-metal x86 bootloader in NASM assembly running in 16-bit real mode, with a custom IRQ1 keyboard interrupt handler and direct VGA text-mode rendering
- Managed manual memory segmentation (bootloader at 0x7C00, program space from 0x7E00) and built a 5-option interactive color/counter menu; validated the full boot sequence in the QEMU emulator

LANGUAGES

Arabic (Native) · English (B2) · German (A1)