

Alalfy Mansour

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PROFESSIONAL SUMMARY

Software Engineer with end-to-end ownership of two production systems at Dukana — a live e-commerce platform and an internal operations platform — both built, deployed, and maintained solo. Comfortable across the full stack: Flask backends, PostgreSQL schemas, Docker/nginx infrastructure, and Android development. Currently deepening into DevOps and cloud architecture.

PROFESSIONAL EXPERIENCE

Software Engineer (Solo Technical Owner) · [Dukana](#)

Badr City, Cairo (Remote) | June 2025 – Present

- Built DukanaStore — a production e-commerce platform with storefront, product variants, cart, wishlist, WhatsApp-based checkout, admin panel, and built-in analytics (traffic, sales, top products). Deployed solo on VPS via Docker, Gunicorn, and nginx with SSL.
- Built and DukanaSystem — an internal operations platform covering employee management, role-based permissions, order tracking, inventory, supplier relations, invoice PDF generation, and finance logs with day/week/month analytics.
- Designed and maintain PostgreSQL and SQLite schemas with migrations (Flask-Migrate/Alembic), query optimization, and connection pooling for production workloads.
- Deployed and operate Linux VPS infrastructure — nginx reverse proxy, SSL/TLS via Certbot, Docker Compose, server hardening, and monitoring.
- Implemented CI/CD pipelines across dev, staging, and production environments.

PROJECTS

DukanaStore · Full-Stack · Production Live

[Python](#) · [Flask](#) · [SQLAlchemy](#) · [SQLite](#) · [Bootstrap 5](#) · [Docker](#) · [nginx](#)

Production Arabic e-commerce platform serving real customers — full storefront with catalog, product variants, cart, wishlist, and WhatsApp-based checkout. Protected admin panel with order management and built-in analytics. PWA offline support. Deployed solo on VPS.

DukanaSystem · Full-Stack · Production Internal

[Python](#) · [Flask](#) · [SQLAlchemy](#) · [Flask-Migrate/Alembic](#) · [PostgreSQL](#) · [Docker](#) · [nginx](#)

Internal operations platform for Dukana's daily workflows — employee management, role-based permissions, order tracking, inventory, supplier relations, invoice PDF generation, and finance analytics. Decoupled from the storefront, built for production with DB migrations and connection pooling.

Unhook · Android · Open Source

[Kotlin](#) · [Jetpack Compose](#) · [AccessibilityService](#) · [Android SDK](#)

Lightweight Android app that adds deliberate friction against algorithmic compulsion — intercepting vertical swipe gestures inside short-video feeds (Instagram, YouTube, X, Facebook) via a transparent full-screen overlay, without modifying the apps themselves. Fully offline, zero analytics or network calls.

TECHNICAL SKILLS

Languages: C++ · Python · JavaScript · Kotlin · Bash · HTML/CSS

Backend: Flask · SQLAlchemy · PostgreSQL · SQLite · Alembic · REST APIs · Webhooks

Android: Jetpack Compose · AccessibilityService · Android SDK

DevOps & Infra: Docker · Docker Compose · CI/CD · nginx · VPS Administration · Certbot/SSL · Linux

Tools: Git/GitHub · Neovim · Tmux · zsh · Dotfiles · Markdown

Languages: Arabic (Native) · English (Fluent)

CERTIFICATIONS

Network Support and Security — Cisco Networking Academy · Aug 2025 · 120 hours

Huawei Network Communication — Huawei ICT Academy · Aug 2025 · 120 hours

McKinsey Forward Program — McKinsey & Company · Oct 2025

EDUCATION

B.Sc. Computer Science

Future Academy, Egypt | Oct 2022 – 2026

Core coursework: Software Engineering, AI & Machine Learning, OS, Algorithms, Calculus, Linear Algebra. Completed 240 hours of industrial networking training (120H Cisco Networking Academy · 120H Huawei ICT Academy).