

ALI ELOMAYRY

IT Project Manager

Full Stack Web and Mobile Developer

Applied AI and self hosted infrastructure

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PROFESSIONAL PROFILE

IT project manager and full stack developer working across business applications, mobile products and applied AI. I take projects from requirements and technical planning through development and deployment. My experience spans transport, pharmacy operations, security and recruitment, complemented by hands-on Linux administration, a Proxmox home lab and self hosting of web and AI services.

PROFESSIONAL EXPERIENCE

Atrait Technologies

May 2023 - Present

IT Project Manager and Lead Developer

- Lead development of Roadiane, a transport management SaaS, covering requirements, planning, technical coordination and delivery tracking.
- Build connected portals for platform administrators, carriers and customers, with pricing, driver and vehicle management, invoicing and subcontracting workflows.
- Develop Flutter applications for customers and drivers, including parcel requests, QR scanning and delivery status updates.
- Integrate Stripe payments and authenticated APIs; deploy and maintain application services on AWS.

CodeIgniter 4 · PHP · Flutter · Stripe · REST APIs · AWS

G4S Morocco

Jun 2021 - May 2023

IT Officer and Web and Mobile Developer

- Developed internal applications for leave requests, security logs, attendance and fleet operations, alongside operational IT support.
- Connected Flutter applications to Apps Script, Google Sheets and MySQL for approval workflows, reporting and field data collection.
- Implemented QR-based attendance and vehicle handovers, with vehicle records, accident reporting and fleet dashboards.
- Administered servers and workstations, handled support requests through iTop, diagnosed hardware issues and coordinated IT interventions.

Flutter · CodeIgniter 4 · Apps Script · Google Sheets · MySQL · iTop

Experience and technical expertise

ReKrute

Oct 2020 - May 2021

Webmaster and Web and Mobile Developer

- Developed a Flutter recruitment app covering sign-in, candidate profiles, job search, filtering and applications.
- Built recruitment microsites for Renault and APM Terminals, plus responsive content for the Best Employers page.

Flutter · Yii · MySQL · HTML · CSS · JavaScript

Eagle System

Oct 2020 - May 2021

Full Stack Developer

- Developed Alharam gate monitoring interfaces using IoT data, crowd density alerts and Power BI visualisations.
- Contributed to TIKRAR, combining student and teacher progress tracking with a private messaging app and server-based conversation storage.

Angular · Flutter · Java · PostgreSQL · Power BI

Freelance

Oct 2020 - May 2021

Independent Web and Mobile Developer

- Delivered web and mobile applications from requirements to deployment, including GYMANAGE, MoviesFlix and IT asset inventory tools.

CodeIgniter 4 · Flutter · Angular · MySQL

TECHNICAL SKILLS

Web and APIs PHP, CodeIgniter 4, Yii, JavaScript, Angular, React, Java, HTML, CSS, REST APIs.**Mobile** Flutter, React Native, authentication, QR workflows and API integration.**AI and data** Python, FastAPI, Ollama, Qwen, DeepSeek, MySQL, MariaDB, PostgreSQL, Firebase; Redis and Qdrant in Project Brain.**Infrastructure** Linux, Proxmox VE, Apache, systemd, SSH, AWS EC2 and S3; foundational Docker and Kubernetes knowledge.**Project delivery** Agile, Scrum, requirements analysis, team coordination, Git, CI/CD, Postman, Jira and Trello.

EDUCATION

Professional degree in Computer Engineering

2021 - 2022

EST Casablanca · Licence professionnelle

Specialised Technician in Software Development

2013 - 2015

ISTA NTIC, Safi

Moroccan Baccalaureates: Physical Sciences (2012) and Literature in Arabic (2016).

LANGUAGES

Arabic · French · English · Spanish

Product development and applied AI

Informary

Independent product

Pharmacy operations SaaS with an integrated business assistant.

- Developed workflows for inventory, sales, purchasing and invoicing, with separate public, management and application websites.
- Built a Python and FastAPI service connecting the AI assistant to the CodeIgniter application and business data.
- Integrated locally hosted Qwen models through Ollama, with an optional DeepSeek engine.
- Implemented read-only access to business data and isolation between pharmacies.
- Configured the AI service for Linux deployment with Uvicorn and systemd, and managed its source through Git.

CodeIgniter 4 · PHP · MySQL/MariaDB · Python · FastAPI · Ollama · Qwen · DeepSeek

Project Brain

In development

Agent-based research monitoring and analysis with a local architecture.

- Develop an application kernel and dashboard to organise research and analytical workflows.
- Work on collectors for sources such as GitHub, news, RSS, patents, podcasts and video platforms.
- Explore specialised agents for collecting, analysing and interpreting information.
- Develop an architecture combining PostgreSQL, Redis, Qdrant and Ollama for structured data, coordination, retrieval and local model execution.

Python · Agent architecture · PostgreSQL · Redis · Qdrant · Ollama

GYMANAGE

Independent project

Gym management platform with a companion member application.

- Built membership, attendance, billing and booking workflows for gym operations.
- Developed a Flutter member application for subscriptions, classes, news and notifications.

CodeIgniter 4 · Flutter · MySQL · JSON APIs

ADDITIONAL APPLICATIONS

MoviesFlix Film search and recommendation application.

IT asset inventory Tools for tracking IT equipment and stock.

Infrastructure and home lab

Personal infrastructure project supporting SaaS development, self hosting and experimentation with local AI services.

Dell PowerEdge R730 · 128 GB RAM · 1 TB SSD · Proxmox VE

SERVER SETUP AND VIRTUALIZATION

- Set up and administer a Dell PowerEdge R730 home lab running Proxmox VE, with Linux virtual machines for application, database and AI environments.
- Use iDRAC for remote console access and server management; troubleshoot host addressing and access to the virtualization environment.
- Maintain snapshots of core virtual machines to preserve working configurations during infrastructure changes.

LINUX ADMINISTRATION AND SELF HOSTING

- Configure Apache virtual hosts, PHP extensions, URL rewriting, document roots and application runtime permissions for CodeIgniter applications.
- Deploy the Informary public, management and application websites with MariaDB and phpMyAdmin.
- Configure FastAPI, Uvicorn, systemd and Ollama in a dedicated AI service environment; investigate service startup and application logs.

SECURITY AND ACCESS CONTROLS

- Configure HTTPS certificates for hosted websites and restrict database connections through dedicated users and allowed source addresses.
- Use SSH and repository deploy keys for remote development and source access; keep environment secrets outside version control.
- Manage Linux file ownership and permissions, and inspect externally exposed ports when reviewing service accessibility.

MAINTENANCE AND REMOTE DEVELOPMENT

- Restore local development websites and import MySQL/MariaDB dumps; resolve database collation and phpMyAdmin configuration issues.
- Work with Git, VS Code Remote SSH and SSHFS for development and file access on Linux servers.
- Diagnose DNS, connectivity, SMTP reachability and hosting configuration problems across local and hosted environments.

NETWORK ARCHITECTURE DEVELOPMENT

Developing a network design that separates server, management and home traffic, with restricted public service exposure and WireGuard-based remote administration. VLAN segmentation and gateway integration remain part of the ongoing lab work.