

Mostafa Abd Elqawy

Full Stack Web Developer | Odoo Developer

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Kafir El Zayat, Egypt

PROFESSIONAL SUMMARY

Motivated and detail-oriented Full Stack Web Developer trainee at ITI, with a strong foundation in front-end technologies, backend development, and database design. Proficient in building responsive user interfaces and working with modern web technologies including React and Django, along with solid understanding of relational databases and SQL. Hands-on experience customizing Odoo ERP through custom modules, ORM models, controllers, and OWL-based frontend components. Currently expanding full-stack development skills using Python and JavaScript. Passionate about learning, problem-solving, and building scalable web applications. Eager to contribute to real-world projects and grow within a dynamic development environment.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript (ES6+), SQL, Bash

Frontend Technologies: HTML5, CSS3, Bootstrap, Tailwind CSS

Backend Technologies: Django, Django REST Framework, Flask, Celery

Frontend Frameworks: React, TypeScript, Vite

Databases: PostgreSQL, MySQL, Redis

APIs & Integration: RESTful APIs, JWT Authentication, drf-spectacular (API docs)

DevOps & Tools: Git, GitHub, Linux, Docker, Docker Compose, GitHub Actions, Nginx

Testing: Postman, pytest

Odoo / ERP Development: Odoo ORM, Custom Modules, XML Views, QWeb, OWL, Controllers, Reports, Wizards, Workflows, Internationalization

AI / LLM Integration: LangChain, RAG, Vector Search (pgvector)

INTERNSHIPS

Intensive Training Program (ITP) Trainee – Full-Stack Web Development (Python) | Information Technology Institute (ITI) — Egypt

January 2026 – May 2026

- Participating in an intensive, hands-on training program covering full-stack web development using Python, including front-end, backend, and database technologies.
- Gaining practical experience through real-world projects, focusing on building responsive user interfaces, designing databases, and developing scalable web applications.

ODOO DEVELOPMENT TRAINING

- Odoo Development Course — Eng. Mohamed Nasr (YouTube)
- Odoo Development Course — Ahmed Mohamedy (Udemy)

PROJECTS

Mawid — Medical Appointment System — *Django REST Framework · React · TypeScript · PostgreSQL · JWT · Docker*

A full-stack medical appointment platform enabling patients to book appointments with doctors. Built as a team project with a Django REST Framework backend and React/TypeScript frontend.

- Implemented JWT-based authentication and role-based access for administrators, doctors, and patients.
- Integrated Cloudinary for cloud media handling and drf-spectacular for auto-generated API documentation.
- Built a feature-oriented Django REST backend paired with a React/TypeScript SPA styled with Tailwind CSS and Material UI.

SmartStock-AI — AI-Powered Inventory Management System — *Django · React · TypeScript · LangChain · PostgreSQL/pgvector · Celery · Docker*

An AI-powered inventory management system featuring demand forecasting and automated invoice scanning. Built as a team project with a multi-app Django backend and a React/TypeScript frontend.

- Built a multi-app Django REST backend integrating LangChain-based RAG and demand forecasting (Prophet) with a React/TypeScript frontend.
- Implemented Celery background workers with Redis and PostgreSQL/pgvector for asynchronous processing and vector search.
- Set up application monitoring (Prometheus, Grafana) and containerized the system with Docker Compose and GitHub Actions CI/CD.

Real Estate Property Management — *Odoo Custom Module — Odoo · Odoo ORM · XML Views · QWeb*

A custom Odoo module for managing real estate properties and linking them to clients.

- Built custom Odoo models, views, and business logic using the Odoo ORM.
- Implemented property–client relationships and applied core Odoo development principles (models, views, security, workflows).

Odoo 19 Custom Development Environment — *Odoo 19 · Odoo ORM · OWL · XML Views · Controllers · PostgreSQL*

A full Odoo 19 development environment with custom modules (including testapp and todo_management), demonstrating hands-on ERP customization beyond standalone modules.

- Developed custom business models, controllers, and OWL-based frontend components using the Odoo ORM and JavaScript.
- Built custom reports and wizards, and implemented Arabic localization/internationalization.

To-Do List — *Odoo Custom Module — Odoo · Odoo ORM · XML Views*

A custom Odoo module for managing tasks, applying core Odoo development principles.

- Developed models, views, and access rights following standard Odoo module structure.

Vendra E-Commerce Platform — *HTML, CSS, JavaScript, jQuery, Bootstrap, LocalStorage, Caching, Modules*

A fully featured online store supporting product listings, search, cart management, and order processing across multiple categories.

- Implemented dynamic product rendering, filtering, and cart functionality using modular JavaScript architecture.
- Utilized LocalStorage and caching techniques to enhance performance and maintain user session data.

Bash Script Database Management System — *Bash, Linux CLI*

A command-line database system built using Bash scripting to handle data storage, retrieval, and table operations.

- Developed core database functionalities (CRUD, validation, and file-based storage) using advanced Bash scripting techniques.
- Applied various Linux commands and scripting concepts to simulate a structured database system.

PostgreSQL Exams Management System — *PostgreSQL, SQL, PL/pgSQL*

A backend-driven system for managing exams, questions, and student assessments using PostgreSQL.

- Designed and implemented database schema, constraints, and stored procedures for exam workflows.
- Built backend logic for question management, exam generation, and automated result handling.

EDUCATION

Bachelor of Arts in Information Technology | Tanta University — Tanta, Egypt Graduated: June 2023

- Graduated with Honors (GPA: 3.8/4.0)
- Capstone project: Flutter Mobile Application | Talk Up APP for Mental Health

LANGUAGES & ADDITIONAL INFO

Arabic: Native

English: Professional Proficiency (B2)

Military: Finished Military service from Jan 2024 to Mar 2025