

ALI MOSTAFA MOHAMED SADEK

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PROFESSIONAL SUMMARY

Full-Stack and Backend Software Engineer with production experience building microservices, SaaS platforms, pharmacy ERP systems, POS applications, and e-commerce solutions. Proficient in NestJS, PHP 8.3, Java Spring Boot, Next.js, React 19, PostgreSQL, MySQL, Redis, and Docker. Skilled in JWT authentication, RBAC, WebSocket real-time systems, REST API design, database optimization, and secure full-SDLC software delivery.

EXPERIENCE

Tayyibāt — AI-Powered Matchmaking Platform

Feb 2026 – Present

Full-Stack Developer

Cairo, Egypt

- Architected a 5-service microservices platform (NestJS REST + WebSocket backend, Next.js web app, Next.js admin dashboard, FastAPI AI engine, Flutter mobile) orchestrated with Docker Compose and automated via GitHub Actions CI/CD with security scanning.
- Built the NestJS + TypeScript backend with PostgreSQL and Redis, implementing JWT authentication (15-min access / 7-day refresh), RBAC, and Socket.IO real-time WebSocket for live chat and matching notifications across web and mobile clients.
- Delivered a FastAPI + Python AI matching service using scikit-learn to power compatibility scoring algorithms, consumed internally by the NestJS backend to automate user-to-user matchmaking workflows at scale.

Modern E-Commerce Platform

Oct 2025 – Jan 2026

Full-Stack Developer

Cairo, Egypt

- Engineered a full-featured e-commerce system in PHP 7.4+ and MySQL with a multi-role admin panel covering products, categories, orders, customers, analytics, and site configuration.
- Integrated multi-currency, bilingual (Arabic RTL / English) support, cart, checkout, and review systems; secured with CSRF protection, PDO parameterized queries, and SQL index optimization.

PROJECTS

PharmaCare | *PHP 8.3, React 19, Vite, MySQL, Docker, Railway, JWT, REST API*

Jun 2026 – Jul 2026

- Architected a production-ready pharmacy ERP with a PHP 8.3 MVC backend and React 19 + Vite SPA; containerized with Docker and deployed live on Railway with an automated CI-style build pipeline.
- Built 15+ business modules – medicine inventory, expiry tracking, supplier/customer management, sales, prescriptions, and financial reporting – with 4-role RBAC (Owner, Pharmacist, Staff, Viewer).
- Designed and secured 40+ RESTful API endpoints with JWT auth, PDO queries, rate limiting, and CSRF/XSS protection; delivered a bilingual (Arabic/English) RTL dashboard with Chart.js real-time analytics.

Smart Tourism App Backend | *Java, Spring Boot, PostgreSQL, Docker, JWT, JPA/Hibernate*

Oct 2024 – Jul 2025

- Shipped a production-ready RESTful backend using Spring Boot and PostgreSQL, exposing 25+ API endpoints for NFC-based monument interactions, booking management, and an integrated in-app store.
- Applied JWT authentication, JPA/Hibernate query optimization, and Docker containerization; deployed on Render Cloud with full API and system architecture documentation.

Coffee Shop POS System | *PHP 8+, MySQL, Bootstrap 5, Chart.js, PDO*

Aug 2025 – Sep 2025

- Engineered a full POS system for weight-based sales with Admin/Seller dashboards, real-time inventory tracking, and automated reporting; secured with bcrypt hashing, PDO queries, and XSS/CSRF protection.
- Delivered a responsive bilingual (Arabic/English) UI using Bootstrap 5 and Chart.js with 2-role access control.

Gym Management System (MegGym) | *PHP 8+, MySQL, MVC, PDO, Bootstrap*

Sep 2025 – Oct 2025

- Built a multi-role gym ERP (Admin, Manager, Trainer, Member) covering member/trainer management, class scheduling, subscription payments, invoicing, and financial reporting with a responsive analytics dashboard.

Cafe & Restaurant Management System | *C#, .NET Framework, MS SQL Server*

May 2024 – Jun 2024

- Shipped a full POS system with product/table/staff management, RBAC, Kitchen Display System (KDS) integration, real-time order updates, and sales/inventory/performance reporting modules.

EDUCATION

Minia University

Sep 2021 – May 2025

Bachelor of Science in Computers and Information

Minia, Egypt

- Relevant Coursework: Software Engineering, Operating Systems, Database Systems, System Architecture, Data Structures & Algorithms

TECHNICAL SKILLS

Languages: PHP, Java, C#, JavaScript, SQL, Dart (Flutter), C, C++

Frontend: Next.js, React 19, Vite, HTML5, CSS3, Tailwind CSS, Bootstrap 5, Chart.js

Backend: NestJS, PHP 8.3 MVC, Spring Boot, FastAPI, REST APIs, WebSocket, JWT, RBAC

Databases: PostgreSQL, MySQL, Redis, MS SQL Server, Database Design, Normalization, Query Optimization

DevOps & Tools: Docker, Docker Compose, GitHub Actions, Git, Linux (Shell Scripting, Vim), Railway, Render

Software Engineering: OOP, SOLID Principles, Design Patterns, Data Structures & Algorithms, SDLC, System Architecture

CERTIFICATIONS

Full Stack Software Engineering – ALX (Score: 92%)

HTML5 & CSS3 Certification – ITI / Mahara-Tech

C# and .NET Programming Foundations – NTI