



ALAA M. ATIA
ELKOLFAT

Full-Stack Developer & AI
Automation Architect | Community
Pharmacist

CONTACT

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NATIONALITY
Egyptian

DATE OF BIRTH
15 February 1990

LANGUAGES

Arabic — Native

English — Professional Working
Proficiency

TECHNICAL SKILLS

- Next.js
- React.js
- Node.js
- Python
- JavaScript
- TypeScript
- Java
- HTML5/CSS3
- n8n
- AI Agents
- LLMs
- Prompt Engineering
- Data Analysis
- System Automation

TOOLS & IDES

Antigravity IDE · VS Code · Claude · CLI
Automation

EDUCATION

BACHELOR OF PHARMACY
Faculty of Pharmacy, Alexandria
University

CERTIFICATIONS

Data Analysis with Python
Cognitive Class (IBM)

Learning Excel: Data Analysis
LinkedIn Learning

Learning Data Visualization
LinkedIn Learning

Excel Statistics Essential Training
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LinkedIn Learning

Fundamentals of Digital Marketing
Google Digital Garage

Content Marketing Certified
HubSpot Academy

Inbound Certified
HubSpot Academy

Digital Marketing Certified
HubSpot Academy

Advanced Diploma in Photography
(Merit)
Shaw Academy

Bridging clinical healthcare workflows, data engineering, and autonomous AI
infrastructure to build human-centric digital health systems.

PROFILE

A hybrid professional combining 10 years of frontline healthcare experience with advanced technical engineering expertise. Progressed at Nahdi Medical Company — the largest community pharmacy network in the Middle East — from community pharmacist to technical lead, driving the company's transformation from traditional pharmacy operations into a full omnichannel digital health ecosystem. Skilled in full-stack development, AI agent orchestration, workflow automation, and data analysis, with a deep understanding of clinical needs that shapes more effective, patient-centered technology.

KEY ACHIEVEMENTS

10 Years at Nahdi Medical Company	31% Reduction in patient waiting times	25% Operational tasks automated
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PROFESSIONAL EXPERIENCE

Technical Lead — Full-Stack Development & AI Automation

Feb 2019 - Mar 2025

Nahdi Medical Company · Saudi Arabia

- Led the technical evolution of the company's digital infrastructure from a traditional pharmacy model into a full **omnichannel health ecosystem** (nahdicareclinics.sa), overseeing both front-end and back-end development.
- Architected full-stack booking and scheduling systems that achieved a **31% reduction in patient waiting times** and **automated 25%** of manual operational tasks.
- Designed and deployed **AI agents using n8n and LLMs** to manage patient inquiries, archive clinical conversations, and generate automated visit summaries for physicians.
- Built an AI chatbot for chronic-disease patients (diabetes, hypertension, asthma) offering 24/7 access to guidance, embedding **WHO clinical guidelines directly into system prompts** to ensure safe, evidence-based responses.
- Developed medication-adherence features: automated dosage reminders, missed-dose guidance based on physician session data, and periodic checkup notifications with direct booking to the right specialist.
- Improved the online consultation experience — smart scheduling, appointment reminders, and simplified access links for remote physician visits.
- Built a data-driven chronic-care automation workflow that segments patients by condition and delivers personalized daily health guidance and lifestyle recommendations.
- Supervised technical workshops for building the full-stack system end-to-end, from architecture through deployment.

Community Pharmacist

Feb 2015 - Feb 2019

Nahdi Medical Company · Saudi Arabia

- Delivered direct patient care, medication counseling, and health education across a high-volume community pharmacy setting.
- Built firsthand clinical insight into patient behavior and pharmacy workflows — the foundation that later informed the design of patient-centered digital health systems.
- Supported chronic-disease patients with guidance on medication use and lifestyle management.

DIGITAL HUMANITARIANISM & COMMUNITY
IMPACT

- Led field operations and scheduling logistics for voluntary **vaccination campaigns** during the Hajj pilgrimage season.
- Organized public health awareness campaigns for **diabetic patients** in major shopping malls across Saudi Arabia, providing screening, guidance, and education to at-risk individuals.