

# Mohammed Moataz

## Software Engineer

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### SUMMARY

Software Developer with a strong emphasis on **Clean Architecture**, **DDD**, and **CQRS**. Proven track record of translating **high-level architectural** designs into scalable **Event-Driven** and **Vertical Slice** architectures. Proficient in building robust **backend mechanisms**, executing **secure authentication** flows, and **integrating** dynamic user interfaces. Skilled in leveraging **AI-augmented** workflows to accelerate development and deliver **high-quality, scalable, and performant** systems.

### EXPERIENCE

#### IgnteQ, Software Developer

2025 – Present

- Architected and implemented scalable backend solutions using **Event-Driven architecture**, **CQRS**, and **Domain-Driven Design (DDD)** patterns to improve system scalability and streamline development.
- Designed and implemented **process middleware architecture** for an **OTP sub-system**, handling centralized request/response processing, logging, validation, and error management for secure authentication flows.
- Built **background processing jobs** and **notification systems** to handle asynchronous workflows and user communications across multiple applications.
- Integrated **SQL and NoSQL databases** into a hybrid data model, optimizing for different data access patterns and storage requirements.
- Resolved critical bugs and **delivered new features**, improving system stability and user experience.
- Managed frontend state and integrated APIs, ensuring seamless communication between **client and server systems**.

#### Freelance, Software Development Engineer

2024 – 2025

- Delivered **scalable and secure solutions** for production applications, ensuring high performance and maintainability.
- Optimized data storage** and processing across SQL and NoSQL databases to improve system efficiency.
- Built frontend integrations ensuring seamless connectivity between **client interfaces and server systems**.
- Collaborated with clients during discovery to **analyze business requirements** and align technical solutions with business goals
- Maintained production system stability during **technical support** periods through proactive monitoring and **troubleshooting**

### EDUCATION

#### Bachelor's degree in Computers and Artificial Intelligence – Very Good,

Helwan University 

Sep 2019 – Jun 2023  
Cairo, Egypt

- Graduated with a **Very Good** overall grade
- Graduation Project (A+)**: Built a healthcare system integrating blockchain and smart contracts for secure medical record management

#### Information Technology Institute (ITI), Java Spring Developer Track

May 2022 – Sep 2022

- Intensive training focused on **Java Spring, backend development, and modern software practices**

#### National Telecommunication Institute (NTI), Web Design

Jul 2022 – Aug 2022

- Completed training in **web design fundamentals**.

## SKILLS

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**Architecture** — Clean Architecture | Design Patterns | SOLID | CQRS

**Development** — ASP.NET Core | Node.js | React | Next.js | Web3

**Reliability** — Authentication & Authorization | Caching | Auditing

**APIs** — REST | GraphQL | WebSockets

**Soft Skills** — Adaptability | Fast learning | Team collaboration

## PROJECTS

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### Rakaya Platform, *E-Commerce*

Present

- A comprehensive **supplier and catering management platform** built with **multiple integrated sub-systems**. Architected using **clean architecture** principles with **event-driven** workflows, **background job processing**, and a **notification system**. Implemented a secure **OTP** sub-system with **process middleware** for authentication flows. Designed comprehensive **auditing, logging, and permission structures**. **Integrated with external platforms** and **payment gateways** to create a unified business ecosystem.

### Tadrib360 *🔗, LMS*

2025

- A scalable **multi-tenant training platform** featuring comprehensive **role-based permissions** and access control systems. Implemented full **auditing, logging, and payment gateway integrations**. Built and **integrated custom AI services** into backend workflows to enhance platform capabilities.

### SaaS Online Store *🔗, E-Commerce*

2025

- A **reusable e-commerce solution** architected for **multi-tenant deployment across multiple clients**. Implemented secure **authentication flows, notification systems**, and comprehensive **auditing**. Built **automated invoice management** and order processing workflows to streamline business operations.

### Mafaza Academy Website *🔗, LMS*

2025

- An **educational platform** built from scratch using a **content management system** with **extensive plugin and extension integrations**. **Customized features and design** through configuration and extension rather than custom code. **Integrated AI tools** to **automate** administrative **workflows** and routine tasks, improving operational efficiency.

### Makouk Website Maintenance *🔗, LMS*

2023

- **Enhanced and maintained** an existing **educational platform** with **custom feature development**. Implemented performance optimizations and functionality improvements while **preserving system stability**.

### MobiCare App *🔗, Health-Care*

2023

- Developed and deployed **smart contracts** for secure **medical record management** on the **blockchain**. Built **backend services** enabling **secure data access** and healthcare workflows. Implemented comprehensive testing and security validation for **contract deployment**.

### Tatweer Service *🔗, Social*

2023

- **Designed and optimized database architecture** for efficient data management and retrieval. Diagnosed and resolved critical bugs while implementing **feature optimizations**. **Improved system performance** and **user experience** through targeted enhancements.