

# Mohammed Elkhodary

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## Summary

Full-Stack Software Engineer with strong experience **designing, building**, and delivering **large-scale, production-ready web platforms**. Proven ability to own systems **end to end**, from architecture and backend logic to frontend interfaces and deployment. Experienced in building enterprise systems, **real-time** applications, dashboards, and marketplaces. Comfortable working independently or within distributed teams, with a strong focus on **clean architecture, scalability, and business impact**.

## Key Projects

### University Learning Management System (LMS)

- Architected and developed a full LMS with dedicated portals for students, instructors, and administrators
- Implemented academic workflows, real-time chat, notifications, and analytics dashboards
- Adopted as an official university system, significantly reducing administrative workload

**Tech:** Next.js, Node.js, PostgreSQL, MongoDB, Socket.io, Docker

### Genius Global Platform

- Built a large-scale gaming and esports platform combining tournaments, leaderboards, marketplace, and rewards economy
- Designed real-time systems, secure payment flows, and scalable APIs
- Implemented monetization, notifications, and performance optimizations

**Tech:** Next.js, TypeScript, Node.js, MongoDB, PostgreSQL, Redis, Stripe API

## Experience

### Lead Developer — University LMS Project

University LMS Project • Giza, EG

10/2024 - 06/2025

- Lead the design and implementation of a **university-scale LMS** used by **real users**
- Defined **system architecture, database design**, and access control policies

### Full-Stack Software Engineer | Product-Based Projects

Freelance • Cairo, EG

03/2022 - 05/2025

- Delivered multiple **production-ready** platforms across **gaming, e-commerce, and business domains**
- **Owned full development** lifecycle including requirements analysis, **architecture, implementation, deployment, and maintenance**
- Collaborated with stakeholders to translate business needs into **scalable technical solutions**

## Skills

**Frontend:** React.js, Next.js, TypeScript, Tailwind CSS, JQuery, HTML5, CSS3

**Backend:** Node.js, Express.js, REST APIs, JWT Authentication, ORM

**Databases:** PostgreSQL, MongoDB, MySQL, SQLite, Redis

**Real-Time & Messaging:** Socket.io, WebSockets

**DevOps & Tools:** Docker, Git, GitHub

**Architecture & Concepts:** System Design, Role-Based Access Control (RBAC), Microservices, Event-Driven Architecture

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## Education

### Computer Science

(O6U) October 6 University • Giza, 6th of October City

06/2025

**Award: "Top Graduation Project"**

- Developed a scalable university **LMS solving real** academic workflow challenges
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## Communication

**E-mail :** 123mohamed.clash123@gmail.com

**LinkedIn :** linkedin.com/in/mohammed-saeed-710b03250

**GitHub :** github.com/matrawy-maxbot

**WhatsApp :** 01552913217

**Portfolio:** <https://mohammed-elkhodari-portfolio.vercel.app/>

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## Languages

Arabic (Native), English (Professional)