

ABDALLAH MOHSEN

PERSONAL INFORMATION

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EDUCATION

Cairo university
BSc. in Computer Science and Artificial Intelligence
Graduated: July 2024
Cumulative GPA :2.86

EXPERIENCE

Web developer freelancer *June 2025 - Present*

- Developing and maintaining an online booking system for [XIOT](#)

Software engineering at [Tecnoblocks](#) *Sept 2024 - June 2025*

- Built and integrated RESTful APIs and WebSocket endpoints to support real-time features using Socket.IO.
- Gained hands-on experience integrating payment gateways like Stripe and PayPal, enabling secure transactions, subscription billing, and webhook handling.

Backend Intern at [Macber](#) *July 2024 - Oct 2024*

- Developed and deployed a full-featured HR system, enhancing automation of core processes and improving administrative efficiency.
- I gained valuable insights into organizing code effectively, applying various design patterns, and understanding fundamental principles of software architecture.

PROJECTS

[Online XO](#) - solo project [live](#) | [code](#) *Oct 2024*

- An interactive online Tic-Tac-Toe (XO) game using Next.js and Socket.IO, featuring real-time multiplayer functionality, with dynamic board size.

[Emails marketplace](#) [live](#) *April 2025 – May 2025*

- Implemented user resale and auction features for digital assets
- Ethereum payment for email purchases and real-time notifications

[Certificates](#) [live](#) *April 2025 – May 2025*

- Built a platform to store certificates safely in blockchain
- Integrated Stripe for user subscriptions and payment processing.

[Chat pot Generator](#) - solo project [live](#) | [code](#) *May 2025 – June 2025*

- A chatbot builder platform that allows users to visually design conversation flows and embed them into their websites or apps (npm package) like Telegram bots.

SKILLS

Languages: TypeScript, JavaScript, Python, C++, C#
Backend: PHP Laravel, ASP.NET, NestJS, Django, socket.io, webRTC, RabbitMQ
Frontend: React, Next.js
Payments: Crypto currencies, Stripe, Webhooks, PayPal
Database: MySQL, PostgreSQL, MongoDB, MS SQL Server
Architectural Patterns: Clean Architecture, Repository Pattern, SOLID Principles
Testing: Jest, Cypress
CS Fundamentals: Data Structures, Algorithms, Networking
Cloud & DevOps: Firebase, Azure, Cloudinary, Linux (Shell Scripting & CLI Tools), docker, nginx, vercel, glitch