Abdallah Mohsen

Software Engineer

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Summary

- Software Engineer with hands-on experience in building scalable web applications using Next.js, React, and Nest.js. Strong background in Computer Science (FCAI-CU, Class of 2024) with the ability to work across both frontend and backend, delivering full-stack, performant, and maintainable solutions.

Education

Cairo University, BSc. in Computer Science and Artificial Intelligence   Sept 2020 – July 2024

Experience

Web Developer Freelancer employme-egy.com   Sept 2025 – Oct 2025

- Developed a full employment marketplace platform connecting **job seekers** and **employers**.
- Implemented features for job seekers to create accounts, upload CVs, apply for jobs, and track the status of their applications in real time.
- Built an employer dashboard with Paymob integration for subscriptions, job posting management, applicant tracking, and application notes.
- Designed an admin dashboard for full system control, analytics, and user management.

Web Developer Freelancer   June 2025 – Aug 2025

- Developing and maintaining an online booking system for XIOT.

Software Engineer, 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, Macber   July 2024 – Oct 2024

- Developed and deployed a full-featured HR system, enhancing automation of core processes and improving administrative efficiency.
- 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 2023

- An interactive online Tic-Tac-Toe (XO) game using Next.js and Socket.IO, featuring real-time multiplayer functionality, with dynamic board size.
- Enabled users to play with board size up to 10.000

Emails Marketplace   Live | April 2025 – May 2025

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

Certificates Platform   Live | April 2025 – May 2025

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

Chatbot 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.
- Experienced in testing Next.js and React applications using tools such as Jest and React Testing Library to ensure code quality and reliability.

Skills

- **Programming Languages:** TypeScript, JavaScript, Python, C++, C#.
- **Backend:** Node.js, NestJS, RESTful APIs, Microservices, WebSocket.
- **Frontend:** Next.js, React, Redux, HTML, CSS, Tailwind CSS.
- **Other Skills:** Databases (SQL & NoSQL), Software Architecture (layered and modular design), Testing, Strong CS Fundamentals, Payment Gateway Integration.

Languages

Native	**Arabic**
Very good	**English**