

Abdelwahab Mohamed Ali

Software Engineer

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Profile

Senior Full Stack Engineer with strong experience in **React, Next.js, Node.js, Express, and NestJS**, focused on building scalable, clean, and maintainable web applications. Solid background in **system design, API architecture, database design, and performance optimization**.

Education

Master Degree In Information Technology, present

Institute of Graduate Studies and Research /Alexandria University

I am currently pursuing a Master's in IT, focusing on advanced topics like databases, website security, and data mining to enhance my programming and technical skills.

Pre Master Diploma, faculty of computer science 01/2025 – Present

I am currently pursuing a diploma in Computer Science as part of the requirements for my Master's degree, and I am studying it in parallel with my Master's program.

Bachelor's Degree in finance, Faculty Of Commerce English Department 2016 – 2020

Professional Experience

Full stack Instructor, Andalusia Academy 12/2025 – Present

Key Responsibilities & Achievements:

- Taught full stack development using **React, Next.js, Node.js, Express, and NestJS**
- Designed project-based learning materials and real-world case studies
- Guided students in building scalable, maintainable applications
- Conducted code reviews and technical assessments
- Supported students in problem-solving, debugging, and best practices
- Contributed to curriculum enhancement and training quality standards

Full Stack Developer, Global Energy 11/2025 – Present

- Design, develop, and implement scalable internal SaaS systems to strengthen the company's digital infrastructure
- .- Build high-performance and reliable solutions that enhance business efficiency and streamline data integration.
- Collaborate with cross-functional teams to align technology initiatives with strategic business objectives.
- Lead projects focused on automation, cloud adoption, and modernizing legacy system architectures.

- Continuously improve user experience and operational workflows through innovative, data-driven technologies.- Oversee system integrations to ensure secure, seamless data flow across multiple internal and external platforms.
- Contribute to technical strategy and best practices, ensuring scalability, maintainability, and long-term growth
- .-Mentor junior developers and promote a culture of clean code, performance, and continuous improvement.

Programming instructor,

05/2023 – Present

Ministry of Communications and Information Technology (MCIT), Egypt

I worked as an instructor in the “Digital Egypt Cubs” scholarship program, where I delivered comprehensive training in web development. This included teaching HTML, CSS, JavaScript, and guiding students through building interactive and responsive web applications. The program was part of a national initiative offered by the Egyptian Ministry of Communications.

Front End Developer, Upwork

2023 – present


Royal Arabians Website Collaborated with an international client via Upwork to build and maintain the front-end of a luxury horse breeding and sales website. Used React to deliver a pixel-perfect, responsive, and elegant user interface aligned with the brand's premium identity.

Electrical Tools E-commerce Website Developed a multi-page, responsive e-commerce website for electrical tools stores using React, MUI, and Axios. Implemented product filtering, detailed product views, and a clean UI focused on performance and reusability.

Fullstack Developer, Rockai Dev

08/2025 – 11/2025

RockAI Dev – SaaS Systems & Web Applications *Front-End / Full Stack Developer* (<https://www.rockaidev.com/> ) **Projects:**

- **Propai CRM** (<https://drakeestate.propaicrm.com/> ): Developed and maintained a real estate SaaS platform designed to help agencies manage properties, leads, and clients through an intuitive dashboard. Worked on building responsive, scalable UI components and integrating APIs to deliver smooth user experiences.
- **RockAI Dev Website:** Contributed to the design and development of the company's official website, ensuring performance optimization, SEO best practices, and a modern user interface aligned with branding.
Key Technologies: React.js, Next.js, Node.js, TypeScript, Tailwind CSS, RESTful APIs, and Prisma.

Front End Developer, Thanawy Education Platform

04/2025 – 08/2025

- Contributed to building the main platform "**Thanawey**", an educational solution for high school students, using **React.js**, **Tailwind CSS**, **ShadCN UI**, and **Zustand**, in coordination with the Back-End team.
- Developed core features that allow students to practice questions, receive personalized recommendations based on their weaknesses, and track their progress with performance comparisons across the platform.
- Helped build an intelligent feedback system that guides students based on their performance and provides tailored suggestions to improve exam readiness.

As a **Front-End Developer** at AWS Gulf, I am responsible for developing and enhancing web applications with a strong focus on user experience, performance, and scalability. My role includes:

- Leading the **redesign and redevelopment** of web applications to improve UI/UX.
- Implementing **new features** and optimizing existing functionalities.
- Enhancing **marketing flows** to improve conversion and user engagement.
- Collaborating closely with **back-end and DevOps teams** to ensure seamless integration.
- Applying best practices in **performance optimization, accessibility, and SEO**.
- Utilizing **React.js, Next.js, Tailwind CSS, Daisy UI, Context API, and i18n** for efficient and scalable development.

Projects:**AWS Website**

- Led the **complete revamp** of the website, improving design, functionality, and performance.
- Enhanced the **marketing flow** to optimize user interactions and business objectives.
- Technologies used: **React.js, Tailwind CSS, Daisy UI, React Slick Slider, React Scroll, i18n, Context API**.

Masperts Website

- Developed a website for a **leading financial management and business consulting company**.
- Designed an intuitive, **user-friendly interface** to showcase the company's services.
- Technologies used: **React.js, Tailwind CSS, ShadCN UI, React Slick Slider**.

Sindion Technology Website

- Contributed to the development of a **hardware and IT solutions company website**.
- Focused on creating a **professional and modern design** that reflects the company's expertise.
- Technologies used: **React.js, Context API, Daisy UI, Tailwind CSS, Lucide Icons**.

I played a key role in delivering high-quality, modern web solutions that align with business goals and user needs.

Skills

Frontend: React.js & Next.js expert with TypeScript and modern JavaScript (ES6+); advanced state management (Redux, Zustand); responsive, accessible, and high-performance UI; component-driven architecture and SSR/SSG optimization.

Backend: Node.js & Express.js expert; RESTful & GraphQL API development; database design and management (PostgreSQL, MongoDB, MySQL); secure authentication/authorization (JWT, OAuth); microservices, event-driven architecture, and caching (Redis).

DevOps & Deployment: Docker & Kubernetes for containerization; CI/CD pipelines (GitHub Actions, GitLab CI/CD); cloud deployment (AWS, Azure, GCP); server monitoring and performance optimization.

Full Stack & Architecture: Scalable and modular full-stack application design; end-to-end performance optimization; clean code and SOLID principles; system design and technical leadership; mentoring junior developers.