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[Portfolio website](https://metwesh.github.io/portfolio/)

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Mohamed H. Aly

# Experience

## The Address Holding

Frontend Engineer

Nov 2024 - Present

* **Internal system development:** Built and maintained CRMs and HRMs using Next.js, focusing on performance, scalability, and maintainability.
* **Project ownership:** Spearheaded development of a property listing e-commerce website, authoring 85%+ of the production code.
* **SEO optimization:** Implemented server-side rendering and dynamic routing to maximize organic visibility and meet SEO best practices.
* **Cross-functional collaboration:** Worked closely with designers and backend teams to ensure seamless UI/UX and reliable system integration.

## Sideup

Senior Frontend Engineer

Dec 2023 – Nov 2024

* **Led and mentored junior engineers**: Cultivated a collaborative environment, fostering skill development and productivity.
* **Hands-on coding leadership**: Prioritized efficient task distribution, tackled complex features, ensuring robust code quality.
* **Stakeholder collaboration**: Provided valuable insights, aligning dashboard direction with user needs and business objectives.
* **Process optimization:** Implemented initiatives to streamline workflows, enhance productivity, and ensure code efficiency and reliability.

**Sideup**

Frontend Engineer

Feb 2023 – Dec 2023

* **Led frontend development:** Spearheaded the creation of a cutting-edge B2C shipping dashboard using React, TypeScript, and Bootstrap, ensuring seamless integration with backend systems.
* **Ensured optimal UX/UI:** Collaborated with UX designers to create an intuitive design, enhancing user satisfaction and usability.
* **Maintained system stability:** Partnered with QA to conduct rigorous testing and debugging, ensuring high reliability and performance.
* **Adapted to new tech:** Quickly mastered Next.js and Material UI to maintain and improve previous versions, demonstrating adeptness in learning new technologies.

## Advanced Computer Technologies (ACT)

Interface Specialist

Feb 2022 - Feb 2023

* **System Integration Expertise:** Integrated digital subsystems like Door Lock Systems, IPTV, and POS with Property Management Systems for renowned hotel chains, facilitating seamless operations.
* **Agile Collaboration:** Collaborated in agile settings, prioritizing and addressing stakeholder requirements, ensuring effective communication and alignment.
* **Remote Troubleshooting:** Analyzed logs and error codes to troubleshoot issues remotely, minimizing downtime and ensuring prompt issue resolution.
* **Project Coordination Expertise:** Orchestrated the integration of Oracle's Opera Web Services for 480+ Intercontinental Holiday Inn Group (IHG) hotels globally within four months, demonstrating adeptness in coordinating complex projects with multiple stakeholders and ensuring timely execution.

# Education

## Bachelor of Science (B.S), Management Information Systems, GPA 3.1

July 2021

Arab Academy for Science & Technology & Maritime Transport (AASTMT)

# Technical skills

|  |  |  |  |
| --- | --- | --- | --- |
| **Frontend** | **Backend** | **Databases & DevOps** | **Tools & Concepts** |
| * HTML5, CSS3, SASS | * Node.js, Express | * MongoDB, MySQL, PostgreSQL | * Git & GitHub, CI/CD, Jira |
| * Bootstrap, Tailwind | * PHP, C | * Redis, Firebase | * Bash CLI, Docker, Serverless |
| * JavaScript, TypeScript | * RESTful APIs |  | * Data Structures, Algorithms |
| * React, Redux, React-Query |  |  | * Unit Testing |
| * Angular, Next.js, Three.js |  |  |  |

PROJECTS & COURSES/CERTIFICATES

A comprehensive list of all the projects I've contributed to, including detailed descriptions and the technologies utilized, can be found in my [online portfolio](https://metwesh.github.io/portfolio/). Additionally, my completed courses and certificates are available there as well.