

Abdelrahman Walid Elmarsafawy

Junior Front-End Engineer

Email: abdelrahmanbo390@gmail.com

Call number: +02 01020899457 / +02 01227986495



Summary

I am a first-year Computer Science student at Open Arab University Egypt branch. I began learning programming three years ago. Experience in building large-scale websites with high-performance, optimized, and maintainable code. In addition, I am Interested and have the ability to learn any new coding language in a very short time because I have a strong programming fundamentals. I had a passion for creating my own projects. For example, I built my own CNC router and used it to design and carve wood pieces, which I sold on a [Facebook page](#). However, I have paused this project due to time constraints and to focus on my study in computer science studies.

I expect to graduate at 2028 as in my program, I am available for internship from 30th June to 26th September 2025. After this intern I will Returning to a full-time Bachelor's degree for 3 years.

Technical Skills & Expertise

HTML	React	Git and GitHub
CSS	SCSS	Python
JavaScript	TypeScript	Firebase

Experience

Self-Led Practice as a Student

For the past two years - now

For the past two years, I have been improving my skills in several front-end projects, which I have showcased on my portfolio website: [https://
abdelrahman390.github.io/portfolio](https://abdelrahman390.github.io/portfolio)

Examples:

- **Laps calculator app:** This app is very simple. It solved a problem related to calculating lap time and the number of laps to run on the track, Which used to be encountered during track training. This app addressed a problem that I and my friends faced so I made this app. I created this app as a step to solve real-world problems.
- **To-do-List with Firebase database:** In this web app I have integrated with Firebase database to store users' data to open and access the app from any device with your only username and password. There are many features in the app such as:
 - ◇ login and Register page to allow users to use this app not to be a experimental app only.
 - ◇ The User can add a big task and inside it nested tasks as he needs.
 - ◇ Edit task or delete it any time.
 - ◇ You can determine when you added every task and also their nested tasks.
 - ◇ When completing a nested task it marks that you have done this task and you will know when you completed it.
 - ◇ For the screen view, I have made a custom logic with JavaScript to arrange every task card depending on its height for a more proficient view. Because I find problems with using flex-box when some tasks are so long and others are too short if the short task is under a long task it will appear at the bottom of the tasks container, and there were a lot of Wasted spaces so it was not good for the user experience.
 - ◇ In the old version of this project, which was made with local storage instead of Firebase, there is a feature called "delete history" that allows the user to restore any deleted tasks. I will add it to the new app version as soon as possible.
 - ◇ I ensure that each task is handled within its dedicated function to avoid code duplication.

Chat app with Firebase real-time database: I am now working on an MVB chat app just for training on learning how to work with real-time databases. It will be posted within the next month in my portfolio, it's mostly done but there are a few bugs that I'm working on fixing now.

There are also some projects in my portfolio but the above-mentioned projects are the most important ones that I have worked on myself.

Junior front-end engineer - modeem.org.sa - freelance from Egypt

May 2023 — August 2023

About the company: Madeem Digital Association specializes in building custom digital platforms for nonprofits, aiming to digitize operations. We also provide platform development, data management, server management, and UX design to help nonprofits enhance their impact, supporting Saudi Arabia's Vision 2030.

My role in the company: As a front-end engineer, I independently translated Figma designs into responsive front-end code using HTML, CSS, SCSS, and JavaScript. I was responsible for structuring the entire website, which was divided into two separate sites, each comprising nearly 50 pages. While making these websites I built them with high-performance, optimized, and maintainable code, To facilitate future repairs and modifications. Additionally, I developed multiple JavaScript scripts to ensure all pages functioned correctly without any interaction issues, in this way, the testing time is reduced and many errors resulting from human errors are prevented. I maintained close collaboration with the back-end team to align front-end code integration with their work in Odoo.

While working on this project, I uncovered issues typical of large-scale projects that weren't present in smaller ones. I had to repeatedly rewrite HTML code across the website, leading to errors, disorganization, and difficulty in maintenance and updates. After completing high school. I researched solutions and discovered React. Therefore, learned React through Meta's courses on Coursera. Now I have begun changing these websites to React, I published a part from one website, and now updates or changes are much easier since components can be reused. This transition has improved the site's performance, optimization, and maintainability.

Front-End Web Developer | Microsoft Student Team - AOU (Web Team Member)

Oct 3 - Now

Projects I participated in:

— Web course

October 3 - October 31

As a front-end assignments corrector in the Microsoft student team, I provided feedback on students' web development projects in the course we created. I proposed adding an introduction to Git and GitHub to help students become more proficient in version control and teamwork, which was approved by the team leaders. I developed the materials for this introduction and taught students how to use Git and GitHub effectively.

Additionally, I suggested introducing a group-based final project in addition to the individual one. This extra project aimed to simulate real-life teamwork by having students collaborate using Git and GitHub, ensuring they gained practical experience working in teams. This idea was not implemented due to the limited time we had, I was hoping this project would help students develop essential professional skills for the future.

Additionally, I have participated in some student and technology events, including:

TEDx Youth MC - June 17, 2022	Build Your Future - July 29, 2022
RTI Event - July 1, 2022	techne summit - Oct 5, 2024

Languages:

- Arabic (Native or bilingual proficiency)
- English (intermediate)
- German (beginner)

Other links:

LinkedIn: www.linkedin.com/in/abdelrahman-walid-elmarsafawy-4b1b94223

portfolio: <https://abdelrahman390.github.io/portfolio/>

Recommendations:

2 people have recommended Abdelrahman Walid Elamarsafawy

Recommendations link: <https://www.linkedin.com/in/abdelrahman-walid-elmarsafawy-4b1b94223/details/recommendations/>

“As a technical team leader, I was very happy to manage Abdelrahman Walid, and he consistently exceeded expectations. He brought strong technical skills in frontend development, especially JavaScript, a proactive attitude, and excellent teamwork. His ability to solve problems efficiently and collaborate with other teammates gives great value to the products we make. I highly recommend Abdelrahman Walid for any future opportunities—they will be a great addition to any organization.”

— Shaimaa Osama El-Marsafawy, Odoo Team Leader - Shaimaa managed Abdelrahman walid directly.

“Abdelrahman is a talented frontend developer with a great eye for detail and user-friendly design. He deliver high-quality work on time and are a pleasure to collaborate with. I highly recommend him to anyone looking for a skilled and dependable frontend developer!”

— Senior Odoo Developer @ Singleclic Ltd , Mahmoud was senior to Abdelrahman walid but didn't manage Abdelrahman walid directly.