

# Muhammed Elfawy

Front end developer (Angular Developer)

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GitHub <https://github.com/muhammedelfawy>

## Summary

**Front-end specialist with full-stack awareness and a Computer Science background**, skilled in building responsive, high-performance web interfaces using Angular. Experienced in translating complex requirements into clean, maintainable code through multiple hands-on projects. Strong grasp of modern UI design principles, code quality standards, and team collaboration. Combines solid academic grounding with real project execution to deliver reliable, efficient, and scalable code across the stack. **Seeking a challenging Front End Developer role.**

## Experience

### NTI - MEAN Stack Developer

Jul 2024 – Nov 2024

- Developed interactive and visually engaging user interfaces using Angular, **reducing page load time by 15%**.
- Engineered robust back-end services with Node.js and Express.js, enabling seamless integration with REST APIs.
- Optimized MongoDB database queries, **improving response time by 20%** while ensuring data security and consistency.
- Collaborated on deploying applications on AWS, gaining hands-on experience with cloud platforms for scalable hosting.

### Run Soft – Front End Developer

Mar 2024 – Jun 2024

#### Internship

- Designed and developed interactive and responsive web interfaces using HTML, CSS, and JavaScript, ensuring **100% responsiveness** across all devices and **improving mobile usability scores by 18%**.
- Collaborated within a cross-functional team of 5+ developers to integrate backend APIs seamlessly into Angular-based front-end designs, **reducing integration bugs by 25%**.
- Utilizing modern frameworks and libraries such as Angular to enhance user interactions and streamline development pro cases.
- Conducting usability tests and gathering feedback to iteratively improve user interface designs.
- Improved page load speed, **reducing loading time to under 3 seconds using performance optimization techniques**.

### NTI - Web Design

Oct 2023 – Dec 2023

- Design and Develop Websites: Create responsive, user-friendly websites using HTML, CSS, and JavaScript.
- Understand UI/UX Principles: Apply user-centered design principles to create intuitive and accessible web interfaces.
- Manage Freelance Business: Effectively manage the business side of freelancing, including client acquisition, project management, and financial planning
- Execute Projects: Plan, execute, and present web design projects from conception to completion, demonstrating all acquired skills

## Projects

### Construction - Service | [link](#)

June 2023

- Practiced creating a responsive web page for a construction service company.
- Used technologies like HTML, CSS, and Bootstrap

### BMC - Landing Page | [link](#)

November 2023

- Developed a responsive website comprising two dynamic pages, leveraging advanced techniques in HTML and CSS, including Flexbox layouts and CSS animations. Integrated interactive maps to enhance user experience and engagement.
- Used technologies like HTML, CSS, and CSS animations.

### CRUD Operation | [link](#)

April 2024

- Developed a system for managing an academy offering various courses, tracking enrolled students and remaining subscription money for each course.
- Used technologies like HTML, CSS, CSS animations, and JavaScript.

### E-commerce Website | [link](#)

June 2024

- Created a training website incorporating eye-catching images and animations, complemented by subtle animations to enhance user experience.
- Used technologies like HTML, CSS, CSS animations, and JavaScript.

### E-commerce website | [link](#)

March 2024

- Implemented authentication and authorization.
- Integrated online and offline payment systems.
- Handled API data (GET, DELETE, PUT, POST).
- Utilized Angular Forms for form handling and Angular Router for routing.
- Used technologies like HTML, CSS, Bootstrap, Typescript and Angular 16 Framework.
- Performed CRUD operations on the cart component.
- Created user-friendly forms with Angular HTTP Client for HTTP requests.
- Added offline connectivity detection, NgRx spinner for loading screens, smart search functionality, interceptors, guards, services, and pipes.

### Gas Station Dashboard | [link](#)

Nov 2023

- dashboard displaying key metrics, including total sales value, total sales volume, and transaction count.
- Graphical representations for hourly sales performance analysis.
- Detailed reports for each station, covering sales volume, total value, and transaction statistics.
- Real-time data updates for accurate and up-to-date insights.

## Technical Skills

#### Hard skills:

- |             |              |                |                     |                    |                    |
|-------------|--------------|----------------|---------------------|--------------------|--------------------|
| - Html      | - JavaScript | - Json         | - Responsive design | - design pattern   | - NgRx             |
| - CSS       | - TypeScript | - Web Services | - Angular Material  | - Request Handling | - Webpack          |
| - Sass      | - Python     | - Angular      | - Problem Solving   | - Data structure   | - solid principles |
| - Bootstrap | - Ajax       | - RESTful APIs | - unit testing      | - Angular Js       | -SQL               |

#### Developer Tools:

- |           |           |           |
|-----------|-----------|-----------|
| - VS Code | - Postman | - Swagger |
|-----------|-----------|-----------|

#### Version control system:

- |       |          |
|-------|----------|
| - Git | - GitHub |
|-------|----------|

#### Soft skills:

- |                  |                    |                      |
|------------------|--------------------|----------------------|
| - communicate    | - Ability to learn | - team collaboration |
| - Eye for Detail | - self-motivation  | - self-discipline    |

## Certifications

- |  |                 |
|--|-----------------|
| - MEAN Stack development (Angular & Nodejs)   <b>NTI</b> | <b>Nov 2024</b> |
| - Introduction to software testing   <b>ITI</b>          | <b>Jul 2024</b> |
| - Web Design   <b>NTI</b>                                | <b>Dec 2023</b> |
| - Python and Ai with android mobile app   <b>TSA</b>     | <b>Aug 2022</b> |

## Education

### El-shorouk Academy

Sep 2019 – May 2023

Bachelor of computer science

**Graduation Project:** Road Sign Recognition Application – **99.7% Accuracy**

## Languages

- **Arabic:** Native language
- **English:** Good