

Youssef Gaafar

Software Engineer

Motivated Junior Front-End Developer with a strong foundation in **HTML**, **CSS**, **JavaScript**, and **Bootstrap**, complemented by hands-on experience in **Angular** and **TypeScript**. Skilled in building responsive, user-friendly web applications and delivering clean, maintainable code. Proven ability to adapt to new technologies quickly and contribute effectively to collaborative projects.



Skills

- Strong Problem Solver
- Data Structures and Algorithms
- Object-Oriented Programming (OOP)
- Structured Query Language (SQL)
- Software Development Standards
- **HTML 5, CSS 3, JavaScript, TypeScript**
- **Bootstrap**
- **Angular** Framework
- **Python**
- **C, C#, C++**
- Time Management



Contact

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Websites, Portfolios, Profiles

- **LinkedIn:** [YoussefGaafar](#)
- **GitHub:** [YoussefGaafar](#)
- **Portfolio:** [yg-portfolio](#)



Work History

10-2024 -
Present

Front-end Developer

World of System and Software, 5th Settlement, Cairo
Remote (Promoted from Internship)

- Transitioned from internship to full-time role after demonstrating proficiency in modern frontend technologies and independent project delivery.
- Spearheaded development of **Unified Chambers**, a large-scale platform serving **23/26 Saudi Commercial Chambers** in partnership with the **Ministry of Commerce of Saudi Arabia**.
- Engineered the frontend using **Angular 19**, **PrimeNG v19**, and **Bootstrap**, ensuring

seamless cross-browser compatibility and responsive design for enterprise-level users.

- Optimized API integration by implementing **caching mechanisms** and **efficient data-fetching strategies**, reducing redundant calls and improving load times by 30%.
- Architected **state management solutions** using **NgRx Signal Store** to centralize complex business logic for chamber registration, user permissions, and real-time data updates.
- Developed **15+ reusable UI components** (dynamic forms, data grids, dashboards), cutting development time for new features by 40% and ensuring consistency across the application.
- Collaborated with backend teams to design RESTful APIs aligned with frontend requirements, leveraging **RxJS** for streamlined asynchronous operations.
- Mentored 2 junior developers on Angular best practices, code modularity, and PrimeNG component utilization.

Key Achievement:

Delivered a mission-critical platform now used by **1,200+ commercial entities** daily, modernizing Saudi Arabia's chamber management system and earning recognition from the Ministry of Commerce for code quality and scalability.

01-2024 -
07-2024

Avionics Engineer

EgyptAir Maintenance and Engineering Co.

Headquarter, Cairo International Airport, Egypt

- Successfully completed the EgyptAir Basic Avionics course, acquiring comprehensive knowledge of Aerodynamics, Aircraft Communication Systems, Aircraft Materials, Electrical Systems, Aviation Regulations, and Human Factors.
- Assigned to Hangar 8000 for hands-on maintenance of Boeing and Airbus aircraft, ensuring compliance with safety and technical standards.

- Worked closely with multidisciplinary teams to execute maintenance schedules, reducing downtime and improving efficiency.
- Gained experience in adhering to aviation regulations and safety protocols through rigorous training and practical application.

07-2023 –
08-2023

.NET Backend Develop Intern (MVC)

Si-Ware Systems, Masakin Sheraton, Egypt

- Developed and deployed on the company's servers a fully functional web-based **Performance Evaluation** system using the .NET MVC framework, handling both back-end and front-end development.
- Designed and implemented the database schema for the application to efficiently manage employee objectives, tasks, and performance ratings.
- Created user authentication with Gmail Sign-In using OAuth 2.0 to enhance security and ease of use.
- Collaborated with cross-functional teams to ensure the platform met business needs and user requirements.
- Debugged, optimized, and maintained the website throughout the project lifecycle, improving functionality and user experience.

09-2022 –
06-2023

Graduation Project (ScanMate)

Faculty of Engineering, Cairo University, Giza

- Photogrammetry: Close-range 3D reconstruction from 2D images
- Successfully completed the project with a grade of A
- Developed a robust and accurate pipeline to reconstruct 3D models from 2D images (Without the use of AI)
- Helped in deploying our photogrammetry pipeline with our mobile application
- Presented the project findings to a panel of experts

08-2022 –
09-2022

Summer Internship 2022

IBM Smart Village B144, Giza

- Reported back to instructor to receive day-to-day tasks and responsibilities
- Attended daily Stand-Up meetings and weekly Retrospective meetings
- Worked on Nike's IBM Co-Operation project as an API tester
- Learned several testing techniques: Automation testing (PyCharm), Data testing (JMeter), Manual testing (Excel sheets)
- Achieved IBM Agile Explorer badge



Education

09-2023

Bachelor of Science: Computer Engineering

Faculty of Engineering, Cairo University - Giza

06-2017

High School Diploma

Al-Waha International School (American Division) - Giza



Languages

Arabic

English



Certifications

09-2022

IBM CIC Summer'22 Program

08-2023

Si-Ware Systems Internship Certificate