(+20) 1153383255
sofyan1020@gmail.com
Resides in Egypt

Sofyan Mahmoud
Software engineer

LinkedIn
Leetcode
Github

EXPERIENCE

Session Lead – Fundamentals of Programming @ Udacity   **2024/10 — Present.**
- Led interactive sessions on the fundamentals of programming, covering core concepts such as data types, control structures, functions, and object-oriented programming (OOP).
- Guided students through hands-on coding exercises and projects, helping them build a strong foundation in Python programming.
- Reviewed student code, offering constructive feedback to reinforce clean coding practices and problem-solving techniques.

Back-end engineer @ Settle   **2023/09 — Present.**
- Developing and maintaining a microservices-based peer-to-peer payment system, enabling clients to pay customers with a single click.
- Designing and implementing RESTful APIs using Flask/Python to ensure seamless payment processing.
- Conducting code reviews, refactoring, and performance optimizations to maintain high-quality and maintainable code.
- **Stack**: Flask/Python, Postgresql, RabbitMQ, Docker, Microservices.

C++ instructor @ MEC Academy   **2023/08 — 2023/12.**
- Delivering in-depth lessons on programming fundamentals, Object-Oriented Programming (OOP), data structures, and algorithms using C++.
- Developed tailored learning materials to enhance understanding and retention of complex topics, ensuring a solid grasp of software engineering concepts.

Back-end engineer @ Eden technologies   **2022/12 — 2023/09.**
- Developing and maintaining a car parking management system using microservices architecture, deployed in smart villages across Saudi Arabia.
- Contributed to both back-end services and database design to manage parking transactions, access control, and real-time monitoring.
- Implemented advanced features such as dynamic pricing and real-time occupancy updates, enhancing the system's functionality and user experience.
- **Tech Stack:** Java (Spring Boot), Flask (Python), PostgreSQL, MongoDB, RabbitMQ.

Front-end engineer @ Egyptian armed forces   **2021/11 — 2022/12.**
- Developed and maintained front-end interfaces for a comprehensive ERP system used by the Egyptian Armed Forces, focusing on scalability and usability.
- Collaborated with back-end teams to integrate APIs and ensure seamless data flow between the front-end and back-end systems.
- **Stack**: React, Java script

Full-stack engineer @ NajahNow   **2020/06 — 2021/03.**
- Worked on the development of an online educational platform that played a key role in providing remote learning during the COVID-19 pandemic.
- Handled both front-end and back-end development tasks, from designing intuitive user interfaces to building secure and efficient back-end services.
- Played a critical role in launching new features such as payment gateway integration and real-time quizzes, which greatly enhanced the learning experience for users.
- **Stack**: PHP/Laravel, Blade templates, JS, HTML, CSS, MySQL

RECENT ACHIEVEMENTS

- Reached the **top 3%** in **Leetcode** cummunity -most famous platform for problem solving-

SKILLS

Concepts:	Algorithms, Data structure, Problem solving, OOP, OOD, Design patterns, RESTful APIs.
Tools:	Git, Github, Docker.
Programming Languages	C++, Java, Python, php, Js.
Database:	SQL, MySQL, MongoDB, PostgreSql.
Queuing system	RabbitMQ.
OS	Linux, Windows

EDUCATION

Bachelor of Engineering, Software Engineering, Cairo university, Grade: Very Good   **2016 — 2021**
- **Overall Grade**: Very Good, **GP grade**: Excellent