

# Mohamed Tarek Salah

## Software Engineer

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🔗 My Portfolio 🔄 Tar2sh12

### Objective

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Software Engineer that excel in adapting to new challenges and environments, continuously seeking opportunities to learn and apply my skills effectively to drive success in diverse projects.

### Education

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**Bachelor of Software Engineering, Helwan University**

09/2021 – present

- GPA 3.84/4.0

cairo, Egypt

### Projects

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#### E-Commerce Back-End Development Project

- **Schema Design:** User, categories, brands, products, coupons, wishlists, carts, orders, and reviews.
- **Payment Integration:** Integrated Stripe for secure transactions.
- **Real-Time Updates:** Used Socket.io 🔄 for real-time product updates.
- **Technologies:** Node.js, Express.js, MongoDB, Stripe, Socket.io 🔄, Joi, JWT

#### Real-time Restaurant Reservation System

- A real-time restaurant reservation system will let the users book a table at their favorite restaurant.
- **Technologies:** Node.js, Express.js, MongoDB, MQTT, Angular

#### Library System 🔄

- A back-end application for managing a collection of books and authors.
- **Technologies:** Node.js, Express.js, MySql

### Skills

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#### Technical Concepts

Agile  
Data Structures & Algorithms  
Git & Github  
REST APIs

#### Databases

Oracle PL-SQL  
MySql & Sequelize (ORM)  
MongoDB & Mongoose (ODM)

### Extracurricular Activities

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**Object-Oriented Programming Member, Microsoft Student Partner**

08/2022 – 09/2022

- Studied OOP using C++ and participated in developing a booking system project, applying OOP principles to design a robust and scalable solution.

**Problem Solving Member, Microsoft Student Partner**

01/2023 – 06/2023

- Instructor and student of problem-solving methodologies.

### Certificates

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**WE AI training program**

WE Assessment exam  
degree:220/240

**FLUTTER workshop certificate,**

Microsoft student partner

**OOP workshop certificate,**

Microsoft student partner