

Mohamed ElHalfawy

Software Engineer

As a Junior Backend Developer, I have experience in designing and implementing server-side web applications. I am proficient in programming languages such as Python, JavaScript, Nodejs, java and Reactjs. I have experience with popular web frameworks such as Django and Express.js. I am also familiar with databases such as MySQL, SQLServer and MongoDB, and have experience with version control systems such as Git and Agile development methodologies. I am a quick learner and am able to adapt to new technologies and programming languages quickly. I am a team player and am able to work well in a collaborative environment.

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📄 mohamedelhalfawyy.github.io/Halfawy_Portfolio/

🐙 github.com/mohamedelhalfawyy

EDUCATION

Bachelor's Of Computer Science (B.CS.) Arab Academy For Science, Technology & Maritime Transport

09/2018 - 07/2022

Alexandria, Egypt

GRADE

- 3.77 (Excellence With honors)

WORK

Data Engineer (07/2022 - Present)

- A data engineer with one year of experience at Vlytix, specializing in data processing, ETL pipelines, and database management. Proficient in SQL, Python, and cloud computing technologies. Seeking a challenging role that allows me to apply my skills and further develop my career in data engineering.
- Optimized database performance by creating indexes, partitioning tables, and optimizing queries.
- Designed and implemented automated data pipelines to streamline the data processing and reporting workflows.
- Programming languages: Python, SQL, Java, API-Integration
- Database technologies: MySQL, SQL SERVER, MongoDB
- Cloud computing: Amazon Web Services (AWS), Google Cloud Platform (GCP), Microsoft Azure

BitsForDigits Website (Modifications) (10/2020 - 12/2020) [🔗](#)

- Migrate the database to Firebase and adjust the Front-end of the website interface using webflow

GRADUATION PROJECT

Daisy Voice controlled robot application/Team Leader

Arab Academy For Science, Technology & Maritime Transport

06/2021 - 06/2022

The project idea is to make an autonomous voice-controlled vehicle that can be totally controlled through a mobile application. The application was made with a flutter/dart that provides voice/manual control for the vehicle and also supports CNN face recognition and object detection being interactive and smart. The purpose of the project is to make a robot that can transfer food/water/medicine from the doctor or nurse to the patient with no interaction so no infection would be transferred as has happened in Covid-19.

SKILLS

JavaScript

Java

NodeJS

Python

ReactJS

Angular

Flutter

Dart

HTML

CSS

SQL

MYSQL

SQL SERVER

Firebase

MongoDB

RESTAPI

REST Framework

Docker

AWS

Git

JIRA

PROBLEM SOLVING

OOP

Data Structures & Algorithms

SOLID Principles

FREELANCE

Upwork - Egypt (07/2019 - 06/2022)

A highly skilled backend developer with 4 years of experience working as a freelance developer for clients across various industries. Proficient in developing scalable and efficient server-side applications using modern technologies such as Node.js and Python. Passionate about delivering high-quality code and exceptional client satisfaction. Seeking a challenging role that allows me to utilize my skills and experience to contribute to the success of the project.

CERTIFICATES

Certificate of Algorithmic Toolbox - University of California San Diego (08/2022 - 09/2022)

Certificate URL:

<https://www.coursera.org/account/accomplishments/verify/5S5XBJJ24YYX>

Certificate of Front-End Web UI Frameworks and Tools: Bootstrap 4 - The Hong Kong University of Science and Technology (08/2022 - 09/2022)

Certificate URL:

<https://www.coursera.org/account/accomplishments/verify/BN5WCSX867Y3>

SQL for Data Science - University of California, Davis (09/2022 - 10/2022)

Certificate URL:

<https://www.coursera.org/account/accomplishments/verify/UMFP2M7AL6A9>

LANGUAGES

ARABIC

Native or Bilingual Proficiency

ENGLISH

Full Professional Proficiency