

Mohamed ElHalfawy

Software Engineer

As a Junior Backend Developer, I have experience 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 I have experience with version control systems such as Git and Agile development methodologies. I am a quick learner and can adapt to new technologies and programming languages quickly and collaborate with team members to deliver high-quality solutions that meet business needs. Continuously looking to learn new technologies and improve my skills as a developer.

✉ mohamed.elhalfawyy@gmail.com

📍 Alexandria, Cairo, Egypt

🌐 linkedin.com/in/mohamedelhalfawy

☎ +201000965660

📄 mohamedelhalfawyy.github.io/Halfawy_Portfolio/

🐙 github.com/mohamedelhalfawyy

EMPLOYMENT HISTORY

Data Engineer

VlyTix

07/2022 - Present

Ottawa/Canada

Providing consultancy, training, and professional services in the areas of data analytics, business intelligence, data automation (RPA) and integration, and data science.

Achievements/Tasks

- Data Engineer at Vlytix in designing and developing large-scale data processing systems. Proficient in programming languages such as Python, Java, and SQL, with extensive experience in building data pipelines using Apache Spark and Kafka. Skilled in data modeling, ETL development, and data warehousing, with a strong understanding of data integration techniques. Proven track record of collaborating with cross-functional teams to deliver high-performance and efficient data solutions. Possesses excellent communication and problem-solving skills, and is dedicated to delivering innovative solutions that meet business needs.
- 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
- Version Control Systems: GIT, GitHub, Gitlab, GitKraken

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)

SKILLS

JavaScript Java NodeJS Python ReactJS

PHP Flutter Dart HTML CSS Angular

JSON SQL MYSQL SQL SERVER Firebase

MongoDB RESTAPI GRAPHQL Docker AWS

Git JIRA PROBLEM SOLVING OOP

Data Structures & Algorithms Design Patterns

SOLID Principles Debugging Testing

Communication Skills Time Management

FREELANCE

Upwork (08/2018 - 06/2022)

- Software Engineer with 4+ years of experience working as a freelance developer. Skilled in full-stack web development using languages such as Python, JavaScript, and PHP. Proficient in various frameworks such as Django, Flask, and React, and experienced in building scalable and efficient web applications. Adept at collaborating with clients to identify their requirements, designing custom software solutions, and delivering high-quality products within deadlines. Possesses strong communication and problem-solving skills, with a passion for developing innovative solutions that meet the needs of clients and end-users.

BitsForDigits Website (Modifications) (10/2020 - 12/2020)

- Migrate the database to Firebase and adjust the Front-end and Back-end of the website interface using web flow

CERTIFICATES

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

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

LANGUAGES

ARABIC

Native or Bilingual Proficiency

ENGLISH

Native or Bilingual Proficiency