

Mohamed ElHalfawy

Software Engineer

I am a backend developer with 4+ years of experience in developing and deploying web applications using Python, Java, PHP, Node.js, MongoDB, and AWS. I have a strong knowledge of RESTful APIs, MVC frameworks, database design, and cloud computing. I write clean, scalable, and testable code following best practices and industry standards. I also use Git for version control and agile methodologies for project management. I am passionate about learning new skills and technologies to enhance my professional development and deliver high-quality solutions to clients. Eager to learn new technologies and enhance my developer skills.

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📄 mohamedelhalfawyy.github.io/Halfawy_Portfolio/

🐙 github.com/mohamedelhalfawyy

EMPLOYMENT HISTORY

Data Engineer

VlyTix

07/2022 - Present

Ottawa/Canada

a leading IT services and consulting company that provides data solutions in the areas of data analytics, business intelligence, data automation, integration, and data science.

Achievements/Tasks

- I am a passionate data engineer with a year of experience at Vlytix, At Vlytix, I have designed and developed efficient data solutions and created visualizations using Power BI and Excel. I have expertise in SQL, Python, and PowerApps, and I have worked with various data sources and platforms such as Sisense, Azure, and AWS. Some of my key achievements include:
- Optimized database performance by creating indexes, partitioning tables, and optimizing queries.
- Built a data pipeline that automated the extraction, transformation, and loading of data from multiple sources into a centralized data warehouse, resulting in improved data availability and accessibility for the business users.
- Designed and developed efficient data solutions and created visualizations using Power BI and Excel.
- Worked with various data sources and platforms such as Azure, and AWS.
- Implemented data quality checks and validation rules to ensure the accuracy and reliability of the data, reducing errors and inconsistencies in the data reports.
- Collaborated with other data engineers, analysts, and stakeholders to understand the business requirements and deliver optimal data solutions that met their needs and expectations.
- Developed a dashboard that provided insights into the performance and trends of different business units and clients using Power BI, enabling data-driven decision making and enhanced customer satisfaction.

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




FREELANCE

Upwork (08/2018 - Present)

- 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