Mahmoud El Sayed

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Dedicated and poised Full Stack Data Engineer known for my ability to think outside the proverbial box. Committed to delivering innovative solutions that bridge the gap between data and the real-world.

Education

Bachelor of Science in Computer Science - Beirut Arab University, Beirut, Lebanon
August 2020 – May 2023

Training and Certifications

Full-Stack Data Bootcamp – SE Factory, Beirut, Lebanon
August 2023 – October 2023

Completed an intensive full-stack data program covering cloud serverless architecture, ETL, SQL, Python and PowerBI over 12 weeks of lectures, workshops, and projects.

Cisco IT Essentials: PC Hardware and Software – DOT, Beirut, Lebanon
May 2021 – June 2021

Explored essential concepts in computer hardware, software, mobile devices, security, and networking, and applied knowledge to install, configure, and troubleshoot computers, mobile devices, network devices, and software effectively.

Professional Experience & Projects

Data Intern – N Squared Digital, Remote, Los Angeles, California, United States
December 2023 - March 2024

Contributed to the development and decision making process of the company's new product, BlinkMetrics, a software consolidating data from various sources and presenting them in a report.
- Developed custom source connectors and their corresponding transformations.
- Utilized Airbyte for ETL operations, ensuring seamless integration of data through different systems.
- Created insightful reports in Looker Studio to provide comprehensive analytics for end-users.
- Contributed to team meetings with ideas and solutions to enhance overall system functionality.

New York City Traffic Accidents Analysis – Full-stack Data Project **[[GitHub Link](#)]**
October 2023

Executed a comprehensive analysis of NYC traffic accidents data from 2012 to present, revealing valuable insights aimed at enhancing road safety and optimizing traffic management.
- ETL
- Data Handling / SQL Querying + Optimization
- Data Handling using Python Pandas
- AWS Serverless Architecture
- Data Visualization using PowerBI

Full Stack Web Developer Intern – XpertBot, Remote, Estonia
February 2023 – August 2023

Collaborated with various teams to build websites using Laravel and Vue.js, while also developing front-end and back-end components.

Coding Instructor – BrightChamps, Remote, India
April 2022 – September 2022

Achieved recognition as a top-performing coding instructor by consistently delivering exceptional results in teaching block-based coding to students and developed and implemented engaging, customized lesson plans to accommodate individual student needs and learning styles.

Key Skills

- **Programming (and Scripting) Languages //** SQL, Python, DAX Programming, Java, PHP
- **Database Management Systems //** PostgreSQL, Google BigQuery
- **Frameworks and Libraries //** Pandas, AWS Serverless, psycopg2, Laravel
- **Business Intelligence Tools //** Microsoft PowerBI, Google Looker Studio
- **Tools and Cloud Service //** Airbyte, dbt (data build tool), Amazon Web Services, Serverless Architecture, Cloudwatch, CDK Development
- **Theory //** Data Analysis, Query Optimization, ETL Processing , Data Flow and Data Pipelines, Data Analysis, Data Visualization
- **Operating Systems//** Linux, Windows

Languages

- Arabic (Native); English (Fluent)