**Joe Mendez-Hughes**

[Website](https://saving-the-world-from-datageddon.github.io/) | [LinkedIn](https://www.linkedin.com/in/joe-mendez-hughes/) | [data.engineer.joe@gmail.com](mailto:data.engineer.joe@gmail.com) | 1-480-220-8939 | U.S. Citizen

**SUMMARY**

Senior Data Engineer with experience in building and optimizing scalable data solutions for large datasets. Skilled in AWS, Snowflake, Spark, Python, and SQL, with a track record of reducing data processing times and increasing pipeline efficiency by up to **50%**. Passionate about creating robust data architectures and leveraging big data technologies to drive insights and business value.

**PROFESSIONAL EXPERIENCE**

**Senior Data Engineer**

Dynamo Technologies, Washington, DC

September 2023 - May 2024

* Architected and maintained AWS data infrastructure utilizing S3, Glue, and Redshift, transforming structured and unstructured data into coherent, invaluable insights, which increased data retrieval efficiency by **35%**.
* Fine-tuned Redshift clusters to handle vast volumes of data with speed and precision, achieving a **40%** reduction in query times and increasing processing efficiency by **25%.**
* Deployed and optimized Snowflake data warehouses, transforming raw data into structured, accessible, and valuable data, empowering decision-makers to act swiftly and decisively, leading to a **25%** improvement in decision-making speed.
* Implemented AWS Glue to automate and orchestrate data flows, streamlining ETL processes and ensuring near real-time data availability, which reduced data latency by **50%**.
* Developed scalable data solutions that anticipated future data needs, providing agility in an ever-evolving data landscape and reducing scaling costs by **20%**.

**Senior Data Engineer**

Deep Cloud IQ, New York, NY

July 2021 - September 2023

* Utilized data validation and cleansing in data pipelines, improving overall data accuracy by over **40%** and reducing data-related errors by **25%**.
* Leveraged Spark, Python, and SQL to architect solid and reliable data solutions, transforming raw data into actionable insights, which accelerated decision-making processes by **30%**.
* Constructed and deployed a data lake, reducing storage costs by **35%** and creating a scalable data environment that improved overall data accessibility by **50%**.

**Software Engineer**

Millennial Shift Technologies, Phoenix, AZ

October 2020 - June 2021

* Delivered complex integrations by developing and deploying SOAP and RESTful APIs, optimizing API performance and reducing response time by **30%**.

**Junior Data Scientist**

Prize Logic, Scottsdale, AZ

February 2018 - May 2020

* Implemented data cleaning and preprocessing techniques, including handling missing data, outlier detection, and feature scaling, to ensure data integrity.

**EDUCATION**

**Computer Science**

College of Southern Nevada, Las Vegas, NV

January 2014 - May 2017

**SKILLS**

Snowflake, AWS (S3, Glue, Redshift), Spark, dbt, SQL, Python, Airflow, Data Modeling, Data Warehousing, Data Lakes, ETL/ELT Pipelines, Git, Azure