**Joe Mendez-Hughes**

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

**CAREER HIGHLIGHTS**

Results-driven Senior Data Engineer with extensive experience in architecting scalable data solutions within AWS, designing and optimizing data warehouses and ETL/ELT processes using dbt and Snowflake, and developing robust data lakes, blob storage, and high-performance data pipelines on Azure.

**SKILLS**

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

**PROFESSIONAL EXPERIENCE**

**Senior Data Architect / Engineer**

Dynamo Technologies, Washington, DC

September 2023 - May 2024

* Architected AWS data infrastructure utilizing S3, Glue, and Redshift, transforming structured and unstructured data into invaluable insights, increasing data retrieval efficiency by 35%.
* Fine-tuned Redshift clusters to handle vast volumes of data, achieving a 40% reduction in query times and improving processing efficiency by 25%.
* Deployed and optimized Snowflake data warehouses, transforming raw data into structured, accessible, and valuable information, leading to a 30% improvement in decision-making speed.
* Utilized AWS Glue to automate and orchestrate data flows, streamlining ETL processes and ensuring near real-time data availability, reducing data latency by 50%.
* Implemented Azure Blob Storage, reducing data retrieval times by 30% and lowering storage costs by 20% through lifecycle management policies and efficient data partitioning for high-demand datasets, resulting in faster data processing and cost savings.

**Senior Data Engineer**

Deep Cloud IQ, New York, NY

July 2021 - September 2023

* Leveraged Databricks to architect reliable data solutions, transforming raw data into actionable insights that accelerated decision-making processes by 30%.
* Applied data validation and cleansing techniques in data pipelines, improving overall data accuracy by over 40% and reducing data-related errors by 25%.
* Constructed and deployed an Azure data lake, reducing storage costs by 35% and creating a scalable data environment that enhanced overall data accessibility by 50%.

**Software Engineer**

Millennial Shift Technologies, Phoenix, AZ

October 2020 - June 2021

* Delivered complex integrations by developing and deploying 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