

Joe Mendez-Hughes

Website | [LinkedIn](#) | 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