

Joe Mendez-Hughes

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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