

# Joe Mendez-Hughes

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## SUMMARY

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Senior Data Engineer with 7 years of 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. Passionate about creating robust data architectures and leveraging big data technologies to drive data-driven insights and business value.

## PROFESSIONAL EXPERIENCE

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### SENIOR DATA ENGINEER

**Dynamo Technologies, Washington, DC**

*September 2023 - May 2024*

- Architected and maintained AWS data infrastructure, utilizing S3 buckets, Glue, and Redshift, transforming structured and unstructured data into coherent, invaluable insights.
- Fine-tuned Redshift clusters to handle vast volumes of data with speed and precision, achieving significant reductions in query times and increasing processing efficiency by **30%**.
- Deployed and optimized Snowflake data warehouses, transforming raw data into structured, accessible, and valuable data, empowering decision-makers to act swiftly and decisively.
- Implemented AWS Glue to automate and orchestrate data flows, streamlining ETL processes, ensuring that near real-time data was provided to make timely decisions with the latest information.
- Developed scalable data solutions, providing agility and anticipating future data needs required in an ever-evolving data landscape.

### SENIOR DATA ENGINEER

**Deep Cloud IQ, New York, NY**

*July 2021 - September 2023*

- Utilized data validation and cleansing of data pipelines that improved overall data accuracy by over **40%**.
- Leveraged Spark, Python, and SQL, to architect solid and reliable data solutions, transforming raw data into actionable insights, propelling decision-making processes.
- Constructed and deployed a data lake, reducing costs significantly 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 REST APIs.

### 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

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### Computer Science

College of Southern Nevada, Las Vegas, NV

*January 2014 - May 2017*

## SKILLS

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