

PROFESSIONAL SUMMARY

Entry-level Data Engineer with a strong foundation in building and optimizing data pipelines and infrastructure. Skilled in AWS, SQL, and big data technologies, with hands-on experience in automating processes, improving data quality, and supporting cross-functional teams in data-related technical issues. Passionate about leveraging data to drive business insights and improve operational efficiency.

EDUCATION

University of Houston

BSc. Computer Information Systems

Houston, Texas

Aug 2018 - May 2023

Relevant Courses:

Database Management, Database Admin & Implementation, IS Infrastructure & Networks, Data Visualization, Enterprise Applications Development, Systems Analysis & Design

Certifications:

Tableau Desktop Specialist, Databricks Data Engineer Associate (August 2023)

SKILLS

Data Engineering: ETL, ELT, Data Warehousing, Database Design, Data Modeling, Data Analysis

Programming Languages: Python, SQL, PL/SQL, JavaScript/TypeScript

Tools & Technologies: Snowflake, Git, Dbt, Apache Airflow, S3, MySQL, PostgreSQL, Pandas, Polars

Data Visualization: PowerBI, Tableau

Others: Cloud Platforms (AWS, Azure), Databricks

EXPERIENCE

Technology Consultant

Jan. 2023 - May 2023

University of Houston (Capstone Project)

Houston, TX

- Streamlined data management and analytics processes for a local honey vendor by designing and implementing an end-to-end data platform.
- Developed a relational database using MySQL to centralize and optimize data storage for vendor management, order tracking, and other critical business operations.
- Visualized and analyzed data through an interactive dashboard developed using the Vue.js framework and data retrieved from a RESTful API built with JavaScript and Prisma.

Data Engineering Intern

Jun. 2022 - Aug. 2022

Slalom Build

Houston, TX

- Automated data pipelines to process Slack analytics and survey responses from over 1,500 employees using AWS Lambda and SageMaker Data Wrangler.
 - Enriched dataset for sentiment analysis model by leveraging historical employee data in Snowflake, creating an index to measure employee satisfaction.
 - Enabled stakeholders to gauge employee engagement by providing a visually appealing and accurate dashboard designed using PowerBI.
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PROJECTS

[Money And Elections](#) | Airflow, Dbt, Snowflake, Docker, Metabase, AWS

Feb. 2024 - Apr. 2024

- Orchestrated a data ingestion pipeline using Apache Airflow to automate the extraction of CSV files from the FEC website, conversion to Parquet format, storage in an S3 bucket, and loading into Snowflake.
- Utilized dbt to perform data transformations and modeling for creating analytics-ready datasets to power interactive dashboards.

[Letterboard](#) | Python, Polars, Streamlit, Web Scraping

Nov. 2023 - Dec. 2023

- Developed an interactive dashboard using Streamlit, providing stakeholders with a user-friendly interface for dynamic querying and exploration of the aggregated data.
- Utilized BeautifulSoup (BS4) for structured web scraping, enabling precise retrieval of relevant information for further analysis.
- Leveraged Polars to transform the enriched dataset into a structured and optimized data frame, facilitating efficient querying and analysis.