Morgan Williams
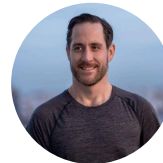
Data Engineer & Architect for Big Data Solutions

Skills

`Python` `SQL` `Airflow` `Databricks` `Spark` `DuckDB` `PostgreSQL` `ETL` `AWS` `Linux` `Data Warehousing` `Big Data`

Experience

Lead Data Engineer

DataFlow Corp - 3 years and 1 month

Designed and implemented scalable ETL pipelines using Airflow and Spark, processing petabytes of data.

Optimized data transformation workflows, reducing processing time by 70%.

Architected data warehousing solutions with DuckDB and PostgreSQL, enhancing query performance and data accessibility.

Managed a team of data engineers, leading to a 50% increase in overall productivity.

Data Engineer

AnalyticsHub - 3 years and 2 months

Developed data ingestion processes using Python and SQL, ensuring data integrity and consistency.

Integrated AWS services (S3, EMR) for scalable storage and processing solutions.

Collaborated with data science teams to prepare datasets for machine learning models, improving model accuracy by 20%.

Implemented data security protocols in compliance with industry standards.

Software Engineer

Zelis Healthcare - 2 years and 8 months

Created ETL workflows in Airflow, improving speeds up to 1000x.

Migrated multiple codebases to Python3.

Created Python APIs and internal web interfaces, empowering business users across teams to meaningfully interact with company data.

Education

Coding Bootcamp @ vschool.io   2014
Data Engineering with Python and SQL

BA in Russian Language & Literature @ BYU   2014