

Morgan Williams

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Skills

Python, PostgreSQL, API Development, ETL, SQL, AWS, Linux, GoLang, Airflow, Databricks, Spark

Experience

Data Engineering Consultant, National Care Dental

May 2022 – Present

- Designed and implemented data infrastructure and pipelines, enabling faster business operations and enhanced data insights while cutting costs significantly.
- Transitioned legacy workflows to modern data pipelines, accelerating tasks by 100x to 1000x through automation, reducing multi-hour processes to seconds or milliseconds.
- Mentored data analysts in Python and SQL, expanding their skills and capabilities, resulting in a substantial increase in productivity.
- Created API endpoints to enable clients and third-party sources to interface with company data.

Senior Data Engineer, Persefoni

Aug 2021 – May 2022

- Implemented ETL data pipelines using PySpark capable of processing large datasets.
- Created API endpoints in GoLang, learning new technologies and collaborating across teams to interface multiple services.
- Documented and created new processes to onboard, train, and increase teammate productivity.

Software Engineer, Zelis Healthcare

Dec 2018 – Aug 2021

- Created new ETL workflows in Airflow and optimized existing processing times up to 1000x.
- Migrated multiple codebases to Python3.
- Developed Python APIs and internal web interfaces, empowering business users across teams to meaningfully interact with company data.

Projects

Real-Time Analytics Dashboard

Built a dashboard providing real-time insights from streaming data sources using Python and WebSockets.

Education

BYU — BA in Russian Language & Literature

2014