

Morgan Williams

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Skills Yo mama, Python, SQL, ETL, AWS, Airflow, Databricks, PostgreSQL, APIs

Experience

Data Engineering Consultant, CGI

Mar 2025 – Present

- Deployed custom AWS Lambda connector, coordinating with other teams to add a new integration enabling a new subscription type, while also ensuring that there was 0 downtime for the billions of other streaming transactions happening with our other clients.
- Accelerated security vulnerability remediation from days to minutes by migrating 5 major projects to UV and Ruff, enabling rapid dependency updates and automated code quality checks while reducing package installation time by 10-100x and cutting CI/CD pipeline runtime by 60%.
- Provided ongoing production support and troubleshooting for data pipeline issues across 5+ enterprise client projects, leveraging CloudWatch monitoring and logging
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- Modernized legacy ETL workflows to cloud-native architectures using Apache Airflow, Databricks, and AWS services (Lambda, S3, EC2, Glue), accelerating batch processing tasks by 100x-1000x through parallelization, automation, and serverless computing patterns.

Data Engineering Consultant, National Care Dental

May 2022 – Mar 2025

- Designed and implemented scalable data infrastructure and pipelines using AWS and Python, enabling faster business operations and enhanced data insights while cutting costs significantly
- Transitioned legacy workflows to modern data pipelines with automated testing and monitoring, accelerating tasks by 100x to 1000x through automation and reducing multi-hour processes to seconds
- Mentored data analysts in Python and SQL best practices, expanding their technical capabilities and establishing data quality standards and governance processes
- Built robust, observable data pipelines with comprehensive documentation and clear lifecycle standards, ensuring performance and reliability across all data operations

Senior Data Engineer, Persefoni

Aug 2021 – May 2022

- Implemented production-grade ETL pipelines in Databricks using Python and SQL for a rapidly growing climate-tech startup, applying solid engineering practices including testing and CI/CD
- Created scalable API endpoints in GoLang, collaborating across product and engineering teams to integrate multiple services and support business requirements
- Documented & created new processes to onboard, train, and increase teammate productivity.

Software Engineer, Zelis Healthcare

Dec 2018 – Aug 2021

- Created and optimized ETL workflows in Airflow, improving data processing performance by up to 1000x through efficient pipeline design and implementation
- Migrated multiple legacy codebases to Python3, significantly reducing maintenance costs and improving performance
- Created Python APIs and internal web interfaces, empowering business users across teams to meaningfully interact with company data.

Projects

Resume

github.com/mrgnw/resume

online CV with automatic PDF generation

Multilingual translator

ananas.xcc.es

Education

BYU — BA in Russian Language & Literature	2014
vschool.io — Coding Bootcamp	2014