

Morgan Williams

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Skills 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
- Data Engineering Consultant, National Care Dental** May 2022 – Present
- 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
- 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, enhancing maintainability and establishing modern engineering practices including code reviews and version control
 - Developed Python APIs and internal web interfaces using Flask, empowering business users across teams to meaningfully interact with company data and analytics
 - Built data transformation pipelines that supported advanced analytics and reporting requirements for healthcare data processing

Projects

- Resume** github.com/mrgnw/resume
online CV with automatic PDF generation
- Multilingual translator** ananas.xcc.es
Translate to several languages at once using m2m language LLM

Education

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

2014
2014