

# Morgan Williams

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**Skills** Python, SQL, ETL, AWS, Airflow, Databricks, PostgreSQL, APIs

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## Experience

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### 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

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### Resume

[github.com/mrgnw/resume](https://github.com/mrgnw/resume)

online CV with automatic PDF generation

### Multilingual translator

[ananas.xcc.es](https://ananas.xcc.es)

Translate to several languages at once using m2m language LLM

## Education

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

2014  
2014