

# Morgan Williams

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Solutions Architect specializing in Scalable Cloud-Based Systems

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Python • Go • AWS • Linux • PostgreSQL • SQL • JavaScript • Svelte • Microservices • Docker • Kubernetes • FastAPI • Airflow • Databricks • Spark • ETL • API Design • Systems Architecture • Cloud Infrastructure

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## Experience

### Solutions Architect

Python • AWS • ETL • SQL • APIs • Mentoring

CloudTech Innovators - Jan 2022 - Present

Designed and implemented scalable cloud-based architectures using AWS services, ensuring high availability and fault tolerance.

Developed and orchestrated microservices using Docker and Kubernetes, enhancing system scalability and maintainability.

Collaborated with cross-functional teams to define system requirements and translate them into technical specifications.

Optimized data pipelines with Airflow and Databricks, improving data processing efficiency by 60%.

Implemented Infrastructure as Code (IaC) using Terraform and Ansible, streamlining deployment processes and reducing provisioning time by 50%.

### Senior Backend Engineer

Python • Databricks • ETL • SQL • GoLang

Tech Solutions Inc. - Jun 2021 - Dec 2021

Developed and maintained scalable RESTful APIs using Python (FastAPI) and Go (Gin Gonic), serving millions of users worldwide.

Implemented microservices architecture with Docker and Kubernetes, improving system reliability and deployment speed.

Optimized PostgreSQL database queries, reducing response times by 40%.

Collaborated with cross-functional teams to design and integrate gRPC services for internal communication.

### Senior Data Engineer

Python • Airflow • Flask

Persefoni - Aug 2021 - May 2022

Created API endpoints in GoLang, learning new tech & collaborating across teams to interface multiple services.

Implemented ETL processes pipelines in Databricks.

Documented & created new processes to onboard, train, and increase teammate productivity.

### Software Engineer

Zelis Healthcare - Dec 2018 - Aug 2021

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

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| <b>Coding Bootcamp @ vschool.io</b>                  | 2014 |
| Advanced Solutions Architecture with Python and Go   |      |
| <b>BA in Russian Language &amp; Literature @ BYU</b> | 2014 |
| Minor in Advertising Communications                  |      |