

# Morgan Williams

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Backend Engineer specializing in API development

Python • Go • AWS • Linux • PostgreSQL • SQL • Docker • Microservices • RESTful APIs • gRPC

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## Experience

### Senior Backend Engineer

Python • AWS • ETL • SQL • APIs • Mentoring

Tech Solutions Inc. - Jun 2021 - Present

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.

### Backend Developer

Python • Databricks • ETL • SQL • GoLang

Innovate Labs - Sep 2018 - May 2021

Built robust backend systems in Go and Python, enhancing application performance by 30%.

Integrated AWS services (EC2, S3, Lambda) for cloud-based solutions, reducing infrastructure costs.

Developed CI/CD pipelines with Docker and Jenkins, streamlining the deployment process.

Ensured security and compliance by implementing OAuth2.0 and JWT authentication mechanisms.

### Software Engineer

Python • Airflow • Flask

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.

Created Python APIs and internal web interfaces, empowering business users across teams to meaningfully interact with company data.

## Education

### Coding Bootcamp @ vschool.io

2014

Advanced Backend Development with Python and Go

### BA in Russian Language & Literature @ BYU

2014

Minor in Advertising Communications