Morgan Williams

morganfwilliams@me.com | github.com/mrgnw

Skills

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

Experience

Backend Software Consultant, 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.

Data Engineer, 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, 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

vschool.io — Coding Bootcamp   2014

BYU — BA in Russian Language & Literature   2014