

MICHAEL GALLO

SENIOR SOFTWARE ENGINEER

Arlington, VA • 732-742-7313 • me@michaelgallo.dev • [LinkedIn](#) • <https://michaelgallo.dev/>

SUMMARY

Senior Software Engineer with ~6 years of experience designing and developing scalable solutions within the e-commerce and banking sectors. Proven expertise in Golang, Python, and Linux with demonstrated leadership in mentoring junior engineers. Most recently, designed and implemented an automated integration testing plan and Jenkins pipeline for a federated Golang GraphQL Gqlgen data mesh, significantly improving testing efficiency for a top 15 bank.

TECHNICAL SKILLS

Programming Languages: Go, Python, Bash

Data & Cloud Technologies: Linux, GraphQL, Jenkins, Gqlgen, AWS (Lambda, Fargate, DynamoDB), Docker

Tools & Methodologies: SonarQube, HashiCorp Vault, Terraform, Red Hat Drooms, CI/CD, Agile

WORK EXPERIENCE

Accenture PLC

GraphQL Data Mesh Team, Apr 2026 – Present

Tech Lead

Arlington, VA

Jul 2021 – Present

- Lead technical delivery for a federated Golang GraphQL data mesh supporting a top 15 bank and ~5 million requests per day.
- Onboarded a new engineer and guided him through delivering a story in his first sprint, culminating in a successful PI demo presentation to account leadership
- Migrated internal VuePress docs site to Hugo

GraphQL Data Mesh Team, Aug 2023 – Apr 2026

Senior Software Engineer

- Built POC Python CLI in 2 weeks to generate data mesh subgraphs; director-led demo secured banking core as an internal customer, expanding account scope and validating federated architecture
- Designed and implemented an Apollo Connectors based model allowing teams to define their entire service logic with GraphQL which would then be generated with Golang
- Design, develop, test and deploy features for a federated Golang GraphQL gqlgen data mesh for top 15 bank; allows data to be shared across 13 data consumers complying with regulatory and internal requirements, serving ~5 million requests per day
 - o Enable teams to independently manage and optimize their own subgraphs with either a Lambda or Fargate architecture; provided access to all subgraphs through a unified endpoint, improving reliability, flexibility, and scalability
 - o Designed and implemented a Jenkins testing pipeline for 4 Golang repositories; greatly reduced integration issues, freeing up ~20% more time for new feature development
 - o Created and implemented acceptance testing strategy for code generation tools to allow for repo-level testing, continuous integration, and compliance with enterprise requirements
 - o Migrated secrets from Hashicorp Vault to enterprise preferred AWS Secrets Manager
- Designed a canary plan to move from the legacy server to the federation compatible server in order to facilitate a smooth migration
- Recognized as the go-to developer for Go after learning it in one month
 - o Trained 2 junior engineers and 1 senior engineer on Go

- o Interviewed 4 developers for senior level Go roles on the account
- Delivered 3 training sessions to over 100 new joiners and account members, improving onboarding efficiency and knowledge transfer; topics covered Core Go concepts, an enterprise performance testing tool, and an enterprise acceptance testing tool
- Consistently ranked among top-performing consultants on a 500-person account, receiving quarterly excellence awards in 7 of the past 8 quarters.

Drools Rules Engine Team, Sept 2021 – Jan 2023
Software Engineer

- Designed, developed, and deployed a Dockerized Red Hat Drools based fraud detection rules engine for a top 15 bank; reduced overhead by enabling business analysts to implement business logic that would traditionally require costly developers
- Served as Decision Model and Notation (DMN) SME
 - o Trained client leadership on DMN standard, enabling Accenture to successfully hand off rules engine to our client
- Won team of the year award as part of a 10-person team across the entire bank

JD Sports WM
Python Developer

Edison, NJ
 Feb 2019 – Jul 2021

- Achieved 400% year over year growth by automating key processes as the sole developer at a small e-commerce firm in the sporting goods industry
- Built Python reporting tools that reduced report generation time by nearly 4 days, automated stakeholder emails, and improved restocking decisions using configurable date ranges and vendor filters.
- Developed product analysis software that replaced legacy reporting, removed 95% of unsuitable wholesale SKUs from review, and increased data processing capacity by 10x.

Projects

simpleical

<https://github.com/Michael-Gallo/simpleical>

- Engineered an iCalendar parsing library that processes files in roughly half the time of existing Go parsers while using about one-third of the memory allocations.
- Produced comprehensive documentation, tests, and usage examples that surpass the clarity and completeness of current alternatives
- Implemented entirely using Go's standard library.

CERTIFICATIONS

AWS Certified Developer Associate
Google Cloud Platform (GCP) Associate Cloud Engineer

Apr 2024
 Aug 2022