Adnan Gulegulzar

647-995-4460 | gulegulzaradnan@gmail.com | linkedin.com/in/gulegulzaradnan | github.com/adorigi

OPEN SOURCE CONTRIBUTION

Backend Engineer, Go
Kaytu

May 2024 – Present
Toronto, ON

- Designing Go concurrent worker pool/ task queue to orchestrate Azure data collection workers
- Integration tests of Kaytu components with AWS, using Localstack, an AWS emulator
- Creating workers for collecting data on 30+ Azure Services
- Developing Google Cloud Platform plugin for extending Kaytu's functionality
- Gathering TimeSeries metrics of Compute Engine Instances for GCP plugin
- Designing architecture for GRPC inter-service communication between Kaytu CLI and GCP plugin
- Rewriting 3 Github Actions workflows: release, pre-release and test; for Kaytu CLI
- Configuring Goreleaser for multi-arch binaries, deployment to homebrew tap and deb and rpm packages
- Reduced build time for multi-architecture Kaytu-CLI binaries by 20%

WORK EXPERIENCE

Software Developer
Caseware International

Jan. 2023 – Sep. 2023
Toronto, ON

- Feature development and bug resolution of a C++ Desktop application, Working Papers.
- Reduced 5.5% of development backlog, across Working Papers repositories.
- Migrated encrypted client firm data for 250+ clients, shifting over 10% overall client data to cloud.
- Participated in 7-day-long on-call rotations to execute and monitor migration procedures.

Software Engineer, Enterprise
Wolters Kluwer

May 2021 – Nov. 2021
Chennai, TN

- Developed Terraform Modules for AWS Networking and AWS IAM services.
- Employed synthetic monitoring for 2 internal bulkmail service endpoints.
- Guaranteed 99.9% uptime of endpoints to meet Service Level Agreement for Bulkmail service.
- Planned strategy to replace Python scripts and CloudFormation, with Terraform.

Software Engineer, Associate
Wolters Kluwer

Jan. 2020 – May 2021
Chennai, TN

- Designed end-to-end automation to deliver cloud services to clients.
- Implemented python scripts to provision, monitor, destroy & update AWS/Azure services, for 55+ product teams.
- Devised adoption of moto framework for unit testing boto3 SDK for Amazon Web Services.
- Documented developed services with Engineering Documents, to assist future development.
- Cataloged Standard Operating Procedures(SOP), to help Operation team consume automations.
- Drafted 5-point peer review checklists, to verify the integrity of pull requests.
- Hosted Daily Standup and Sprint Planning and Sprint Retrospectives, for Cloud Services Team.

EDUCATION

University of Windsor
Master of Applied Computing

Windsor, ON
Jan. 2022 – Aug. 2023

Vellore Institute of Technology
Bachelor of Technology in Computer Science and Engineering

Vellore, TN
July 2016 – June 2020

PROJECTS

WorkerPool
Aug 2024

github.com/adorigi/workerpool

- An extendable task queue framework to orchestrate concurrent jobs in Go.
- Extended this to deploy resources to Azure, using Terraform binary.
- Framework extended to create integration test suite using Localstack.

Venom
May 2024

github.com/adorigi/venom

- Basic Kubernetes Operator to orchestrate custom jobs.
- Added support for instant and schedule job processing.

RabbitMQ wrapper
Jan 2024

github.com/adorigi/venom

- Go Wrapper library to communicate with a RabbitMQ endpoint.
- Added support for AMQP Protocol

Syndicate
Aug 2023

github.com/adorigi/syndicate

- GUI app to get system information
- Read more at rudiment.gule-gulzar.com/posts/syndicate

CERTIFICATIONS

Kubernetes and Cloud Native Associate(KCNA)
The Linux Foundation   *Mar 2024*

Microsoft Certified: Azure Fundamentals
Microsoft   *Mar 2021*

HashiCorp Certified: Terraform Associate
HashiCorp   *Oct 2020*

AWS Certified Solutions Architect − Associate
Amazon Web Services Training and Certification   *Jul 2020*

TECHNICAL SKILLS

Software Design: Cloud Native Architecture, System Design, OOP
Programming Languages: Go, Python, HCL(Terraform), Bash, Powershell, YAML
Containers: Docker, Podman, Kubernetes, Openshift, Operator Pattern, CRD, Controllers