

Luigi Riefolo

DevOps Engineer

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github.com/luigi-riefolo

DevOps enthusiast and passionate developer, ambitious software engineer, with a highly versatile skill set that is constantly evolving. Having a reactive attitude towards problem solving and customer satisfaction.

Technical background: micro-services, cloud, service mesh, fault tolerance, CI/CD pipelines, IaC, PaaS infrastructures, VPCs, infrastructure/network security, load balancing, event-streaming and networking. Supporter of Open Source, creator of [eGO](#), a micro-service project based on Go, gRPC, Docker and Kubernetes.

Experience

Aug 2018 – Aug 2019

PlayStation

London

Cloud Architect & DevOps Lead

Converted monolithic web application to a distributed system running on micro-services. Designed, developed and documented cloud architecture based on Golang and Java, for scalable, highly available, resilient and traceable services in a Kubernetes cluster. Created CI/CD Jenkins pipeline using Groovy, Ansible, Maven, Nexus and Helm for automated provisioning, GitOps, incremental testing, automated release management. Implemented monitoring, alerting, logging, metrics, tracing, health checks, error aggregation and data recovery using Prometheus, Grafana, Jenkins, Jaeger and EFK. Defined mesh traffic routing with L4/L7 load balancers, ingress/egress gateways, session affinity, fault injection, circuit breakers and distributed tracing.

Jan 2018 – Aug 2018

Flit Technologies

London

Senior Software Developer

Integrated Elasticsearch, Fluentd and Kibana for logging aggregation using Terraform. Devised Golang image for continuous, repeatable, testable builds for Jenkins pipeline.

Oct 2017 – Jan 2018

Daimler Mobility Services (Mercedes)

Berlin

Lead Developer

Developed error/stats collection and reporting using Prometheus, Rollbar and Grafana. Created event aggregator using Redis, PostgreSQL, RabbitMQ, MongoDB and AWS Lambda.

Jan 2017 – Oct 2017

Simplesurance GmbH

Berlin

Golang Engineer

Integrated Consul, Nomad, Vault and Terraform into micro-service architecture. Enhanced logging for error handling using Elasticsearch, Fluentd and Kibana.

Jul 2013 – Mar 2016

Intel (McAfee)

Aylesbury

Associate Software Engineer

Improved and maintained telemetric system for MEG using Java, Python, Perl, PostgreSQL. Trained and supervised 5 engineers (3 dev, 2 QA) in a Scrum team.

Education

2010 – 2013

The University of Manchester

BSc (Hons) Computer Science – Software Engineering

Technical Skills

Bash	C	C++	AWS	Docker	GCP
Go	Java	Python	Istio	Kubernetes	Terraform