

# ERIC GUSTAFSON

Software Architect | Technology Leader | Cloud Native | DevOps | Monitoring | Networking

**Fields:** Software Architecture and Development, Cloud Native, Monitoring, Networking, DevOps

**Cloud:** Microservices, Kubernetes, Helm, Ansible, Terraform, OpenStack, AWS, Google Cloud

**Technologies:** Go, Python, Java, C/C++, gRPC, etcd, ELK Stack, Hadoop, Kafka, RabbitMQ, ZeroMQ

**Leadership:** Seasoned Technologist, Mentor, Hands-on, Indirect Influencer, experienced People and Project Manager

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## Summary

Agile, detail oriented, hands-on technology leader with excellent communication skills. Extensive experience in cloud native development and operations, DevOps, System Management, Monitoring, Networking and Messaging.

## Professional Experience

**Sr. Principal Engineer** - Key/Value Store, Viasat

2020 - present

- A highly-available, cloud native, service that stores shared state for a multi-site, real-time distributed system.
- Took this late start, but critical project from concept to operation while conforming to Viasat's next-gen ground system.

**Platform Lead** - Monitoring, Broadband Networking, Viasat

2018 - 2020

- Converged a set of disjoint monitoring teams (i.e.: Agile "Products") into a cohesive Platform (set of teams).
- Worked with existing leads. Provided technical mentoring. Identified organizational restructuring. Installed final lead.

**Member of Technical Staff** - Global Infrastructure, Viasat

2017 - 2018

- Advised on the selection of cloud technologies and the use of public clouds for Viasat's next generation ground system.

**Architect** - Software Defined & Cloud Group (SDCG), Hewlett Packard Enterprise (HPE)

2016 - 2017

- Set technical direction for components of 'New Stack' (now, HPE Greenlake): API Gateway, Monitoring, Analytics.
- Kubernetes connector for New Stack: software networking technology enabling communication between K8s clusters.

**Principal Engineer** - Advanced Technology Group (ATG) for Cloud and Open Source, HPE

2014 - 2016

- Incubate and influence new technology adoption across HPE with an emphasis on the Cloud focus of SDCG.
- Kubernetes, CoreOS, nesting Container & VM env's, System Mgmt & Monitoring, Network Load Balancing, IPv6.

**Engineering Manager** - Monitoring, HP Cloud, Hewlett-Packard

2011 - 2014

- Lead the design and operation of HP's Public Cloud (internal) monitoring and customer Monitoring-as-a-Service.
- Cloud Native & DevOps, OpenStack( Nova, Swift, Glance, pre-Neutron ), Chef, collectd, RabbitMQ, Icinga, HAProxy.

**Principal Engineer** - Melodeo Inc. & HP Music, Hewlett-Packard

2005 - 2011

- Responsible for multiple, back-end components in the Melodeo service: music ingestion, transcoding, and delivery.
- Amazon-WS( EC2, S3, SQS, EMR, RDS ), Java, Python, Ruby, elastic transcoding, music CODEC's, Hadoop/HIVE.

**Software Engineer** - *various employers*

1995 - 2005

- Voice over IP, Embedded Linux, Firmware/BIOS, CAD/EDA Software, Criminal Link Analysis, Remote Medical Coding.
- C++, Python, Java, ARM & x86 asm, GCC x-compile, CORBA, distributed & network programming, heuristic algorithms.

## Education

**Bachelor of Science, Computer Engineering** - Valparaiso University

1989 - 1993

**Masters of Science, Electrical Engineering** (unconferred) - *Universities of Colorado & Houston*

1993 - 1995