

Jeff Johnson

Sammamish, WA | (330) 304 - 6427 | johnsonjeff@gmail.com | johnsonjeff.com

Employment **Google Cloud, Seattle, WA** [September 2016 – Present]

Senior Engineering Manager – BigQuery Omni

- Built and ran the multi-cloud infrastructure team responsible for the architecture, security, operations, and finances of a Borg-like environment on AWS, Azure, and GCP. Recruited and developed key talent, including staff level TLs and managers to take over the team.
- Transitioned to managing the entire BigQuery Omni engineering team. Created and ran customer engagement programs, operational readiness for the Lake Analytics organization, and delivered on a strategic partnership with Salesforce for Google Cloud.
- Launched first in the industry capabilities through cross-cloud [materialized views](#) and [joins](#). Expanded to all major AWS regions and reduced infrastructure costs by %XX (\$XXM).

Staff Software Engineer – BigQuery Omni: Multi-Cloud Infrastructure

- Founding member of BigQuery Omni team, a project to run BigQuery on AWS and Azure. Focused on cloud infrastructure, deployments, and application architecture on Kubernetes. I helped grow the broader team from 5 engineers to 30+ and built cross-org partnerships in Google.
- Drove cross organizational alignment and provided strategic technical contribution to port Container-Optimized OS (Linux distribution) to AWS/Azure and extend Anthos (Kubernetes) for first-party workloads recognized externally as a key strategic initiative for GCP [[forbes coverage](#)].
- Built and transitioned production to a from-scratch Kubernetes distribution supporting AWS, Azure, and GCP integrated with key Google Production services. Achieved external compliance (SOCS/PCI/HIPAA..) by developing source transparency, identity and auditing solutions.
- The multi-infrastructure platform is key to operating Google's only first-party multi-cloud service and the first of its kind to leverage-Google-internal infrastructure to operate SRE supported services on AWS/Azure.

Senior Software Engineer – Anthos, Google Kubernetes Engine

- Founding member of team that built GKE On-Prem/Anthos, a multi-cloud Kubernetes distribution. I drove design and implementation around upgrades and addons as well as leading the GA release for the cluster lifecycle team.
- Lead design and development of an addons framework for integrating first party partner teams into Anthos. Led the open sourcing of the framework to the Kubernetes Working Group created as a result of the project. [[github](#), [kubecon talk](#), [working group](#)]

Software Engineer – Cloud Graphite

- Founding member of the [Kubo](#) team, a Kubernetes distribution for BOSH/Cloud Foundry. Designed networking strategy and Cloud Foundry integration. [[github](#)]
- Spoke at several conferences on cloud technologies. Organized a web series on Pivotal Cloud Foundry including writing several episodes. [[favorite talk](#), [web series clip](#)]

Microsoft, Redmond, WA [August 2013 – September 2016]

Software Engineer II – Office Graphics

- Shipped the new charting engine in Office 2016 with a focus on cross platform UI.
- Built support for collaboration into OfficeArt content model to enable real time editing in Office Desktop and Mobile.

ClassBug.com, Chicago, IL – Co-Founder/CTO, Technical Advisor

Chicago, IL [2012 –2016]

- ClassBug is an e-Commerce and student management solution based on Ruby on Rails. It processes over \$1M/day [2024] in transactions serving wellness studios across the country.

Research **BigQuery's Evolution towards a Multi-Cloud Lakehouse** [SIGMOD'24]

Understanding the Costs of Many-Task Computing Workloads on Intel Xeon Phi Coprocessors [GCASR'13]

Education **Illinois Institute of Technology**

B.S. Electrical Engineering,
Computer Engineering

Chicago, IL [August 2009 – May 2013]

Magna Cum Laude

Technical **Programing Languages, Tools**

Expertise

- Golang, Ruby, C++
- Containers/Docker, Bazel, Terraform

Infrastructure

- Kubernetes, Google Cloud Platform
- Amazon Web Services, Azure