Steve Heneghan

SKILLS

AWS   GCP   Azure   Kubernetes   Helm   EKS   GKE   ECS
Docker   Docker Compose   Python   Lambda   Ansible   Terraform
Cloud Formation   CI/CD   DevOps   GitLab CI   Azure DevOps

EXPERIENCE

MetaCX, Indianapolis IN — *Sr Infrastructure Engineer*

Aug 2021 – PRESENT

- Plan, architect and lead all Cloud Infrastructure and DevOps projects
- Full migration of a complex NodeJS microservice application to new standardized and maintainable GKE clusters
- Introduced Helm to better manage multi environment Kubernetes deployments
- Deploy and maintain application deployment with GitOps via ArgoCD
- Automated the creation of live environments to visualize and test work complete with subdomain and certs via GitLab CI, Nginx Ingress, Cert Manager, and GKE
- Automated all deployments of a multi service monorepo application including branch based live development environments via GitLab CI
- Developed Slack bot to handle a multi stage release process, complete with a permissions model, Jira integration, approvals workflow and notifications via Kubernetes, Slack Bolt and Jira
- Reduced Cloud spend by over 50% within the first year with further savings through year two
- Introduced Terraform to easily manage Cloud services such as Networking, GKE, Memorystore, and more
- Reduced Cloud build time and delivery of deployments and application feature sets
- Work with colleagues on all Cloud related projects and items
- Laid foundation for future infrastructure team members through a vast collection of How To documents, Reports, and onboarding procedures
- Automated nightly reports to ease future SOC related tasks
- Designed a future disaster recovery solution with DC2DC replication and no downtime failover

NextLink Labs, Pittsburgh PA — *DevOps Engineer*

May 2021 – Aug 2021

- Consulted with new and existing clients on projects and initiatives in the DevOps, Cloud and application development space
- Designed, engineered and maintained multiple production Kubernetes clusters for various clients
- Implemented security best practices through access management and AWS networking services
- Pushed an alternative secrets management solution to remove administrative roadblocks caused by source code based vault solutions

- Assisted in development, deployment and support of multiple Django and PHP based applications
- Created and managed CI/CD pipelines using GitLab and Kubernetes based GitLab Runners
- Managed environment based CI/CD deployments via a complex Git branching strategy
- Automated a weekly development environment database sync via AWS RDS, Terraform and GitLab
- Dockerized local development environments for various application to accelerate development cycles
- Implemented developer written application tests during the deployment process to ensure stability
- Oversaw and managed a large scale production AWS environment via Terraform and manual intervention

Constellation Brands, Rochester NY — *Cloud Engineer*

June 2020 – May 2021

- Integral partner and trailblazer for initial Kubernetes offering with EKS and Terraform
- Development of a central reporting and cloud management application with Django, Docker Compose and Kubernetes
- Enabled internal developers via GitOps and Kubernetes
- Containerized build agents in ECS complete with automated redeployments via git and pipelines
- Created automation with Python and Lambda to enforce standards across various AWS accounts
- Created new AWS accounts with on-premise connections via AWS Direct Connect and Transit Gateway
- Dedicated extra time to research and learn new technologies which may be out of scope for the organization
- Using knowledge and expertise to assist colleagues across the organization on various work efforts
- Pushed the right solutions rather than adhering to old company standards

Paychex, Rochester NY — *Systems Engineer*

September 2017 – June 2020

- Maintained internally developed Django applications via Python, Jenkins and AWX
- Lead deployment of on-premise cloud platforms such as OpenStack and NSX-T
- Assisted in deployments and maintenance of a large internal Kubernetes offering (Red Hat OpenShift)
- Managed over 1,100 physical servers, 17,000 VMs and 9PB of data via Python and Powershell

EDUCATION

Saint John Fisher College, Rochester NY — *B.S. Computer Science*

September 2013 – May 2017