

Eric R. Staples

SOFTWARE ENGINEER

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Summary

DevOps professional seeking senior-level IC role leveraging my Kubernetes and cloud-native background. 7-years experience in the Kubernetes ecosystem, delivering value in cloud-native engineering, automation, and SRE roles.

Skills

Technologies Kubernetes, Docker, Terraform, Ansible, Prometheus, Grafana, EFK Stack, MySQL

Languages Go, Python, Bash, Jsonnet

Open Source Contributions Cluster API, Cluster API Provider AWS, Helm Charts

Professional Experience

fabric

Seattle, WA

SR. DEVOPS ENGINEER

Apr. 2022 - Present

- Spearheaded company-wide transition to Terraform IaC and created self-service system that moved 10+ teams off of manually created infra.
- Led the adoption and migration of 100+ code repositories from Bitbucket to Gitlab across 10+ teams.
- Developed CI/CD pipeline templates using Python, Bash, and Jsonnet that adhere to CI/CD best practices, including build-once-deploy-anywhere artifacts, security/quality gates, and rollbacks.
- Created a suite of automation tooling to streamline the creation of new customer environment using Terraform, Ansible, Python, and Bash.
- Wrote a design proposal to migrate off of Serverless architecture and onto Kubernetes/EKS.

NetApp

Seattle, WA

CLOUD-NATIVE SOFTWARE ENGINEER

Jan. 2019 - Apr. 2022

- Developed alpha release that adds Azure support to cloud-native cloud volumes solution, turning it into a multi-cloud service.
- Created the cluster provision system that is the backbone of "NKS" (NetApp Kubernetes Service), a production-grade managed Kubernetes service built on top of the Cluster API CNCF project.
- Built Ansible playbooks and provided documentation for the support team to provide services to NKS customers more efficiently.
- Contributed to Cluster API and Cluster API AWS Provider Kubernetes SIGs.

Drud

Seattle, WA

SITE RELIABILITY ENGINEER

Jul. 2018 - Dec. 2018

- Operated and iterated on "DDEV Live", a Kubernetes-based web-hosting platform and deployment pipeline for hundreds of CMS websites.
- Established and executed plan to deliver 99.99% uptime guarantee by implementing self-healing HA platform with resource-based autoscaling.
- Instrumented, configured, and tuned observability and monitoring stack using Prometheus metrics and alert dashboard, Fluentd, and LogDNA, with VictorOps and Slack integrations, which provided the foundation for new on-call rotations.

MedBridge

Seattle, WA

SOFTWARE ENGINEER / DEVOPS ENGINEER

Jan. 2015 - Jul. 2018

- Led effort to move deployment platform from Puppet to Kubernetes, which included translating Puppet manifests into Dockerfiles and Kubernetes specs and adopting technologies such as KOPS, Helm, Minikube, ELK stack, Kubectrl, and Calico network policies.
- Developed a set of Go and Bash tools to automate deployments and bootstrap dev machines with a local Minikube cluster.
- Designed active-active failover system to ensure MedBridge services met and exceeded SLA requirements.
- Implemented cluster monitoring, logging, and alerting system using several open source projects.
- Containerized / Dockerized PHP, Go, and Node applications and wrote manifest files to bring them to life in a Kubernetes cluster.

HCSS

Sugar Land, TX

SOFTWARE ENGINEER

Mar. 2014 - Dec. 2014

- Built tools in C#/.NET to manage and sync data between Azure and on-prem servers.
- Wrote custom reports in SQL based on customer needs.

R.R. Donnelley

Houston, TX

WEB PROGRAMMER

Dec. 2012 - Mar. 2014

- Developed UIs in HTML, CSS, and JavaScript for web-to-print, variable-data print products.