Eric R. **Staples**

SOFTWARE ENGINEER

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Summary

Current software engineer and Go connoisseur on the Cloud Engineering team at NetApp. 7-years experience in the Kubernetes ecosystem, delivering value in cloud-native engineering, automation, and SRE roles. Strong track record of producing highly available services in distributed environments.

Skills

Technologies	Kubernetes, Docker, Terraform, Ansible, Prometheus, Grafana, Elasticsearch/Fluentd/Kibana Stack, MySQL
Languages	Go, Bash, Python, PHP, JavaScript
Open Source Contributions	Cluster API, Cluster API Provider AWS, Helm Charts

Professional Experience

NetApp — *Seattle, WA*
SOFTWARE ENGINEER — *Jan. 2019 - Present*

- 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 Ansible playbooks and provided documentation for the support team to provide services to NKS customers more efficiently.
- Collaborated with front-end team to design and develop an API for the build system using gRPC.
- 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, Kubectl, and Calico network policies.
- Developed a set of Go and Bash tools to automate deployments and bootstrap dev machines with a local Minikube cluster.
- Reviewed and updated MedBridge services to ensure they met cloud-native best practices.
- 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.
- Onboarded and remained an ongoing resource for the dev team for Kubernetes workflow via documentation, demos, and training sessions.
- 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.

Education

University of Washington — *Seattle, WA*
BA IN ENGLISH LITERATURE — *2011*