Eric R. **Staples**

DEVOPS ENGINEER · KUBERNETES ADMIN

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Skills

IT Management	Kubernetes, KOPS (Kubernetes Operations), Docker, Helm, Terraform, Prometheus, Grafana, EFK stack
Cloud	AWS: EC2, Elastic Load Balancer, AWS Auto Scaling, S3, Virtual Private Cloud, Identity and Access Management
Programming	PHP, Bash, Go, JavaScript
Operating Systems	Linux: Ubuntu, CoreOS; OSX

Experience

MedBridge *Seattle, WA*

DEVOPS ENGINEER *Sep. 2017 - Present*

- Reviewed and updated Kubernetes workloads to ensure they met Kubernetes best practices for memory and cpu resources requirements; stateful storage and other hardware considerations; logging, metrics, and analytics; fault tolerance; and security.
- Onboard and remain an ongoing resource for the development team for Kubernetes workflow via documentation, demos, and 1-on-1 sessions in order to ensure developer and application success.
- Build out and manage stateful workloads leveraging AWS-managed services or raw EC2 instances and infrastructure-as-code tooling.
- Implemented comprehensive monitoring, logging, and alerting system using several open source tools.
- Designed active-active failover system leveraging cluster alerting, AWS Application Load Balancers and backup cluster; investigated failovers by reviewing application and server logs and using lessons learned to make systems more fault tolerant.

McGraw-Hill Education *Seattle, WA*

SOFTWARE ENGINEER *Jun. 2017 - Sep. 2017*

- Built CI/CD pipeline for PHP web app using CircleCI, Docker, Terraform, Vault, and AWS ECS (EC2 Container Service).
- Redesigned PHP/Nginx Docker image with performance and security in mind in order to make containerized app production ready.
- Contributed various features, bug fixes, and improvements to PHP web application.

MedBridge *Seattle, WA*

SOFTWARE ENGINEER *Jan. 2015 - Jun. 2017*

- Led effort to move deployment platform from Puppet to Kubernetes, which included translating Puppet manifests into Dockerfiles and Kubernetes specs and adopting supporting technologies such as Stackpoint.io, Helm, Minikube, ELK stack, Kubectl, and Calico network policies.
- Developed "boatswain," an internal Golang tool to automate deployments and bootstrap dev machines with a local Minikube cluster.
- Containerized / Dockerized PHP, Golang, and Node applications and wrote manifest files to bring them to life in a Kubernetes cluster.
- Provided training and Confluence documentation to ease devs onto Kubernetes.
- Built and supported applications that leverage various AWS services, such as EC2, RDS, S3, ECS, VPC, and more.
- Wide variance of experience building and supporting PHP, MySQL, Golang, and AngularJS applications.
- Configured New Relic monitoring and dashboards for application analytics.

HCSS *Sugar Land, TX*

SOFTWARE ENGINEER *Mar. 2014 - Dec. 2014*

- Expanded desktop application capabilities in .NET to provide seamless mobile integration.
- Built tool to manage and sync data between Azure cloud and on-prem servers.

Consolidated Graphics (now R.R. Donnelley) *Seattle, WA & Houston, TX*

LEADERSHIP DEVELOPMENT PROGRAM (LDP) ASSOCIATE *Dec. 2011 - Mar. 2014*

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

Education

University of Washington *Seattle, WA*

B.A. IN ENGLISH LITERATURE *2011*

- 3.82 GPA