

Eric R. Staples

DEVOPS ENGINEER · KUBERNETES EXPERT

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Education

University of Washington

Seattle, WA

B.A. IN ENGLISH LITERATURE

2011

- Graduated cum laude, 3.82 GPA

Skills

Software Kubernetes, Docker, Helm, Grafana, Prometheus, Elasticsearch, Fluentd, Kibana (EFK) stack

Programming PHP, Bash, Go, JavaScript

Cloud AWS

Experience

MedBridge

Seattle, WA

DEVOPS ENGINEER

Sep. 2017 - Present

- Migrate existing applications from Puppet to Kubernetes by translating Puppet manifests into Dockerfiles and Kubernetes specs, and ensuring apps 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 <be an ongoing resource for> the development team for Kubernetes workflow via documentation, demos, and 1-on-1 sessions, 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.
- Manage monitoring and alerting tools, including ElasticSearch, Fluentd, and Kibana (EFK) stack, Prometheus, Grafana, and New Relic.
- Build out AWS cloud architecture while keeping performance, security, and cost-effectiveness in mind.
- Investigate downtime by reviewing application and server logs and using lessons learned to make systems more fault tolerant.
- Developed scripts in Bash and Go to bootstrap new Kubernetes clusters and deploy site with one click.

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.

Software Engineer

Seattle, WA

MEDBRIDGE

Jan. 2015 - Jun. 2017

- Led effort to move deployment platform from Puppet to Kubernetes, which includes adopting supporting technologies such as Stackpoint.io, Helm, Minikube, ELK stack, Kubectl, and Calico network policies.
- Developed a set of Golang and Bash tools 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.
- Created front-end test-driven development standards that leverage Karma, Jasmine, and IE virtual machines.

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.
- Trained technology "boot-camp" associates to build UIs.