

Eric R. Staples

DEVOPS ENGINEER · KUBERNETES ADMIN

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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).
- Redesignated 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 includes adopting supporting technologies such as Stackpoint.io, Helm, Minikube, ELK stack, Kubectrl, 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.

Education

University of Washington

B.A. IN ENGLISH LITERATURE

- Graduated cum laude, 3.82 GPA

Seattle, WA

2011