

TECHNICAL SUMMARY

Languages Go, Python, Bash, PHP, SQL, \LaTeX

Technologies AWS, Kubernetes, CDK, Tekton, Ansible, Terraform, Docker, Git, Vim

Operating Systems Red Hat Enterprise Linux 6/7, CentOS, Debian, Amazon Linux, Mac OS X

Certifications AWS Solutions Architect - Associate (WKPNRTCLCEEEQR5J), AWS Cloud Practitioner (B06ZZX0K3MR1QYCR)

PROJECTS

robin-deploy (Robin)

- Wrote custom deployment program in Go that takes a json config file (secret path, env vars, resource requests/limits, etc), syncs secrets from AWS Parameter Store or Secrets Manager, and directly updates kubernetes resources like deployments and services.

HAProxy Implementation (Hudl)

- Set up HAProxy cluster for our internal users and systems access and manage resources in EC2 classic, our internal VPC, and our production VPC.
- Service discovery with DNS SRV records and Route53 Auto-Naming/AWS CloudMap.

WORK EXPERIENCE

Robin - Boston, MA - Remote in Omaha, NE

- Staff DevOps Engineer: February 2023 - Present
- Senior DevOps Engineer: June 2021 - February 2023
 - Managed production and development systems in AWS (EKS, EC2, ElastiCache, S3, IAM, RDS, etc.)
 - Developed new deployment pipeline in Kubernetes with Tekton and custom Go program
 - Implemented and migrated to Okta for SSO (AWS SSO, OIDC at ALB for non SAML apps)
 - Migrated CI/CD for infrastructure to GitHub Actions

HackerOne - San Francisco, CA - Remote in Omaha, NE

- Infrastructure Engineer II: September 2019 - June 2021
 - Managed production and development systems in AWS (EC2, ElastiCache, S3, IAM, RDS, etc.)
 - Planned and rolled out new infrastructure in AWS in accordance with compliance and security policies
 - Mentored co-workers in leveling up AWS and infrastructure skills

Hudl - Omaha, NE

- Infrastructure Engineer II: July 2017 - September 2019
 - Managed production and development systems in AWS (EC2, ECS, ElastiCache, S3, IAM, RDS, etc.)
 - Mentored co-workers in leveling up AWS and infrastructure skills

Cerner - Kansas City, MO

- System Engineer: August 2016 - July 2017
 - Developed and maintained Chef cookbooks with peer review for 4 environments/regions
 - Deployed code to production and implemented Rundeck to automate those deployments

Builder Designs - Olathe, KS

- PHP Developer & Linux System Administrator: September 2014 - August 2016
 - Developed new websites and new products to client specifications
 - Implemented migration to DigitalOcean for all new hosting, configuration management with Ansible

EDUCATION

University of Missouri

- Bachelor of Arts in Anthropology: May 2012
 - Minor in East Asian Studies