Colin Bruner

Email: jobs@colinbruner.com
Site: https://colinbruner.com

Cloud Architect / Platform Engineer focused on automation, reliability, and optimization of distributed services at global scale

EXPERIENCE

ID.me, Remote — *Senior Platform Engineer*

November 2020 - Present

Developed a custom platform built on HashiCorp Nomad Enterprise that integrated Consul Enterprise and Vault Enterprise to securely orchestrate production workloads

Spearheaded the architectural design and successful migration of a video communication platform from AWS to GCP achieving a notable 40% reduction in monthly operational costs

Orchestrated the migration of containerized applications from AWS to GCP utilizing Consul Mesh Gateways to seamlessly shift traffic between Cloud Service Providers

Acted as subject matter expert (SME) for Terraform Enterprise in both workspace and model design as well as developer interactions

Built multi-stage pipelines, streamlining the creation of Ubuntu 20.04 and 22.04 hardened images for AWS (EC2) and GCP (GCE) to meet FedRAMP moderate certification and CIS Level 2 benchmarks

Designed and developed custom Ansible roles for automating the installation of software into multi-stage GitHub Actions build pipelines

Configured and deployed workloads using Harness CI/CD too to workloads on Hashicorp Nomad Enterprise and Kubernetes across multiple cloud providers

Transformed the process used to make changes on existing AWS infrastructure from a manual clickOps approach to a version-controlled and multi-factor approval model using Terraform

Verisign, Reston VA — *Site Reliability Engineer IV (SRE)*

September 2019 - November 2020

Extended control of our Edge services through event driven infrastructure using SaltStack and an automated GitOps development process

Developed and owned an internal application written in Python (Flask), used as a frontend to our CMDB and as a tool for operating Edge Sites

Led teams at remote data centers across Asia, Europe, and North America as part of Verisign's Global Edge Site build out initiative

SKILLS

GCP, AWS, Terraform Enterprise, Vault Enterprise, Consul Enterprise, Nomad Enterprise, Ansible, CI/CD, Containers, Kubernetes

LANGUAGES

python, bash, javascript, golang

ACHIEVED CERTIFICATIONS

AWS Certified Solutions Architect Associate SAA-C02

Azure Fundamentals AZ-900

Docker Certified Associate - DCA

RedHat Certified Systems Administrator - RHCSA (160-041-406)

SaltStack Certified Engineer - SSCE (DB9468F1)

IN-PROGRESS CERTIFICATIONS

GCP - Professional Cloud Architect (Scheduled 3/14/24)

Verisign, Reston VA — *Site Reliability Engineer I, II, III*

April 2016 - September 2019

Responsible for deploying, configuring, and operating Verisign's Edge systems serving global DNS root zone (.), TLD's (.com, .net, .gov), and various other products running on RHEL/FreeBSD

Developed a custom framework for validating the health of nameservers as part of Edge site provisioning using Goss (serverspec-validate)

Supported globally distributed applications handling 3 million queries per second to critical internet services, such as dot com/net resolution

Folio Investing, Tysons Corner VA — *Junior UNIX Admin*

March 2014 - April 2016

Administered Solaris 10/11, CentOS/RHEL 6/7, and Ubuntu 14.04/12.04

Deployed Puppet infrastructure to automate manual tasks on a fleet of approximately 50 servers across multiple operating systems

Built a Python Flask app used as a frontend to facilitate and streamline the request process for new user accounts or current user changes

EDUCATION

Oklahoma State University, Stillwater OK

December 2013

Bachelors of Science received in Management Information Systems (MIS)

PERSONAL PROJECTS

Homepage — *Personal Homepage*

Built using Zola and Docker, deployed on my home Kubernetes (k3s) Raspberry PI armv7l cluster

Skyport.codes — *An IATA Airport Code API*

A simple API and Terraform code to deploy it to AWS that will respond with information about airport codes (e.g. IAD -> Dulles International)

Hashicorp-Dev — *HashiStack Development*

Local development of HashiStack (Nomad, Consul, and Vault) using Terraform to idempotently test configurations

CODE CHALLENGES

[HackerRank](#) — *Link to my HackerRank profile*

[LeetCode](#) — *Link to my LeetCode profile*