Colin Bruner

Linux SRE / DevOps Engineer

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EXPERIENCE

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

September 2019 - PRESENT

Work in a fast-paced production environment that handles 3 million queries per second to critical internet services, such as com/net resolution.

Advise developers on best practices in deploying code, patching systems, and intelligently monitoring services.

Designed and architected SaltStack-as-a-Service for teams to manage the intended state and configuration of their systems.

Managed, developed, and applied CI/CD to a webserver, written in Python (Flask), used to control, define, and view attributes of our Edge systems.

Extended control of our Edge through Salt's event driven infrastructure with the use of APIs and an automated GitFlow development process.

Contributed to Jenkins pipelines that are responsible for firmware patching physical machines, rebuilding virtual machines via kickstarts, application install & validation, and load testing.

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.

Led teams to physically rack, cable, and build Edge sites at remote data centers across Asia, Europe, and North America.

Contributed to improving build automation through development and creation of internal tooling and scripts.

Configured alerts for systems using Telegraf, Splunk, and Nagios.

Folin Investing, Tyson's Corner VA — *Junior UNIX Admin*

April 2014 - April 2016

Administered Solaris 10/11, CentOS/RHEL 6/7, Ubuntu 14.04/12.04. Deployed Puppet automation infrastructure to automate manual processes. Built a Python Flask app to facilitate requests for new user accounts and current user changes.

SKILLS

Salt, Ansible, Puppet, Jenkins, Splunk, Terraform, CI/CD, Docker, Hashicorp Vault/Consul

LANGUAGES

python, bash, javascript, golang, rust

ACHIEVED CERTIFICATIONS

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

Docker Certified Associate - DCA

SaltStack Certified Engineer - SSCE (DB9468F1)

Azure Fundamentals AZ-900

IN-PROGRESS CERTIFICATIONS

AWS Certified Solutions Architect Associate SAA-C02

EDUCATION

Oklahoma State University, Stillwater OK

Dec 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.

[Cloudflare-DDNS]() — *DynDNS Client*

A tiny DynDNS Client written in Rust that leverages the Cloudflare RestAPI to update the DNS of a zone with the current public IP address of the running host.

[ipify-async]() — *Simple Public IP address async library in Rust*

A simple asynchronous library used for fetching the public IP address of the running host through the [ipify public API]().

CODE CHALLENGES

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

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