

Colin Bruner

Linux SRE / DevOps Engineer

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EXPERIENCE

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

September 2019 - PRESENT

Works closely with developers to formulate best practices in deploying code, security patching systems, and intelligently monitoring services.

Designed and architected the replacement of legacy Puppet (3.7.4) systems using a more modern CM tool, Salt.

Extended control of our Edge with Salt.. through the use of APIs, Jenkins CI/CD pipelines, and an automated GitFlow development process.

Created automation testing for Salt “formulas” using GitHub hooks to a Jenkins declarative pipeline job.

Verisign, Reston VA — *System 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 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.

EDUCATION

Oklahoma State University, Stillwater OK

Dec 2013

Bachelors of Science – Management Information Systems (MIS)

SKILLS

Salt, Ansible, Puppet, Configuration Management, Jenkins, Splunk, Terraform, OpenStack, Docker, Hashicorp Vault/Consul, Packer.io, Gitflow, “DevOps” Best Practices, CI/CD

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

Azure Developer Associate AZ-204

AWS Certified Solutions Architect Associate

PERSONAL PROJECTS

[Homepage](#) — *Personal Homepage*

My personal homepage on which this document is being served. Built using Zola and Docker, deployed on a home Kubernetes (k3s) Raspberry PI armv7l cluster.

[Cloudflare-DDNS](#) — *DynDNS Client*

A tiny DynDNS Client written in Rust that uses the free user version of the Cloudflare RestAPI to update the DNS of a zone with the current IP address.

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

A simple asynchronous library useful for fetching the external IP address of the node it is running on through the [ipify public API](#).