

Objective

An opportunity cutting my teeth on up-and-coming technologies (Docker, Kubernetes, AWS), with passionate and motivated people.

Experience

Verisign

Site Reliability Engineer (SRE)

September 2017 – Present

- Responsible for maintaining 100% uptime for COM/NET services, averaging approx. 2.5million queries per second, around the world.
- Helped to design and implement Verisign's 100G single-rack solution, and to deploy this new architecture across the world.
- Operations Team lead for Verisign's RIRS "Electra" initiative, a 1U box serving, j.root-servers.net and b.gtld-servers.net, across 30+ countries around the world.
- Worked closely with Dev Engineers to formulate best practices in deploying code, maintaining systems, and intelligently validating and monitoring services.
- Led the transition and architecture redesign for our project to replace Puppet with Salt as a CM Software across 10,000+ hosts over our Constellation.

System Engineer

April 2016 – September 2017

- Responsible for deploying, configuring, and operating Verisign's systems serving global DNS root zone (.), TLD's (.com, .net, .gov) and various other products running on RHEL/FreeBSD.
- Managed 10,000+ production hosts, spread across the globe in a number of datacenters.
- Led teams to physically rack and logically build, "edge sites", at many different datacenters across Asia, Europe, and The United States.
- Improved DevOps tools (APIs/Python scripts), contributed to internal Python Flask webserver application, and wrote Ansible deployment playbooks with a focus on targeting hypervisor's and their VMs, load balancers, and nameserver applications.

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Junior UNIX Administrator

November 2015 – April 2016

- Administered Solaris 10/11, CentOS/RHEL 6/7, Ubuntu 14.04/12.04.
- Deployed Puppet automation infrastructure for standardization and auditing.

Help Desk Specialist

April 2014 – November 2015

- Built a Python Flask app to facilitate requests for new user adds, current user changes, and terminated user removes.

Skills

Languages

- Strong: bash, python
- Proficient: javascript, golang
- Familiar: ruby, perl, php

Software

- Automation: Ansible, Salt, Puppet
- Containerization: Docker, Kubernetes
- Monitoring: Nagios, Serverspec, ThousandEyes
- Linux: RHEL6/CentOS 7, Ubuntu/Debian, and many other distro flavors

Certifications

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

Docker Certified Associate - DCA (<https://credentials.docker.com/abctg5iw>)

SaltStack Certified Engineer - SSCE (DB9468F1)

Education

Bachelors of Science, December 2013

Management Information Systems (MIS) with Information Assurance (IA) focus
Oklahoma State University, Stillwater, OK