NICK GRAHAM

Principal Infrastructure Engineer

in LinkedIn

SKILLS & TOOLS

Application Servers

Ping Federate (SAML/Oauth)

Apache HTTPd

IIS

Nginx

Tomcat

Ansible

Jenkins

Packer

Docker

Rancher

MySQL

VMware

Ubuntu

Red Hat Linux

Windows Server

Programming

Javascript Powershell

Python

Others

Active Directory

Documentation

Nginx

Rancher

Artificial Intelligence (AI)

Configuration Management Databases (MSSQL, MySQL)

IIS Log Management Mulesoft Nagios

Oauth

Red Hat Enterprise Linux (RHEL)

SSL/TLS Certificates & Ciphers

ELK (Elasticsearch, Logstash, Kibana)

Physical Server Administration (Blade/Rack)

Change Management

Kubernetes

Databases

Hypervisors

Amazon Web Services

Operating Systems

Terraform

Automation

Artifact Repositories

Containerization

☑ nick@nickjgraham.com

View a better version of my resume on the web at nickjgraham.com

SUMMARY

I'm Nick, an experienced systems engineer with a wide range of proficiencies ranging from simple Linux administration to complex automated application service deployments with Kubernetes.

Over the years I've worked to develop a broad set of skills across the IT space, and at the moment I'm using those to support developers and projects at Capital District Physician's Health Plan, a regional health insurance company in upstate New York.

WORK EXPERIENCE

2016 - Present

Principal Infrastructure Engineer

Capital District Physician's Health Plan

- Architected and executed Single Sign-On (SSO) system expansion to AWS, creating a multiregion, highly available system with no downtime since its creation. This greatly improved the reliability of our authentication system for both employees and customers.
- Fully automated deployment and configuration management of Mulesoft application server architecture using Ansible, including over 80 individual services across 4 SDLC environments. This allowed for consistent, reliable, quick deployments of new services and updates.
- Led the containerization of legacy Tomcat services into fully automated solution on Kubernetes. This enabled developers to deploy new services with minimal effort, and provided a consistent, reliable platform for those services to run on.
- Created many CI/CD pipelines in Jenkins to turn complex processes like code builds, file deployments, or configuration changes into scheduled, or one-click operations. This greatly reduced the time and effort required to deploy changes, as well as reducing the chance for human error.
- Automated the transition from CentOS to RHEL, and subsequent upgrades to RHEL 9. This reduced the amount of labor required to perform these upgrades by about 80% for the whole engineering staff.
- Organized and streamlined Ansible playbook usage, including the development of easy-to-use environment build scripts, and personal training/mentoring for other engineers. This enhanced the use of Ansible and improved automation capabilities for everyone's work across the team.
- provides users across the company with a central place to find SSO links, rather than relying on links maintained in wikis or emails. Created an internal Python web tool that allows business users to power on and off server environments on a schedule, allowing development environments to be turned off after work

Created a custom internal site with Python that integrates with our SSO system APIs. This

hours, providing about \$90,000 per year in cloud cost savings. • Supported development teams, providing infrastructure and security expertise to help make project decisions and clear roadblocks.

Technologies used:



Systems Engineer

Xerox Corporation

2013 - 2016

- Architected and implemented all of the backup infrastructure required to support disaster recovery for all of the systems in the organization
- Led VMware expansion to two new datacenters in China, including hardware purchasing, deployment, and configuration.
- · Created a self-service tool for employees to build sandbox environments and adjust the scale of production services
- Enhanced the system lifecycle process around all of our VMware infrastructure. Everything from creation of new servers, patching, updating configurations, and server decommissioning was streamlined and automated in some way.

SUSE Linux Enterprise Server

Technologies used: Commvault Simpana



Wilton Volunteer Fire Department

Windows Server

• Firefighter / Apparatus Operator 2024 - Present

Powershell

EDUCATION

SAN Management Sonatype Nexus Source Control (Git)

SUNY Canton 2013

BS, Information Technology

CERTIFICATIONS

- **★** VMware VCP6-DCV current **★** Cisco CCNA
- 2013

LANGUAGE

English (Native)

INTERESTS

3D Printing Cars Landscaping Mechanics Music Robotics

Designed by Xiaoying Riley

Copyright © 2025 Nick Graham