David "Dave" Vigil (he/him)

I love the world of code, deployment, testing, and I hate blinking lights (aka physical hardware). I came up as a Linux Admin that found every opportunity I could to codify everything my team and I were doing. I am passionate about easily deployable, elegant, easy-to-read code.

Experience

SUSE Rancher Government Solutions / Feb 2021 - Present

Senior Solutions Architect Feb 2022 - Present

- Development of Kubernetes-adjacent software and solutions as part of Platform One: DoD Enterprise DevSecOps Services

Senior Support Engineer Feb 2021 - Feb 2022

- Assist US customers within the federal government with technical issues, troubleshoot, and solve issues that come up within the container orchestration, Rancher MCM, and general Kubernetes space. Wrote Ansible to provide customers with a configuration management solution to easily build RKE2 clusters (https://github.com/rancherfederal/rke2-ansible). Answered customer-initiated tickets and private customer slack channels. Provide support for all SUSE Rancher products including the Rancher Multi-cluster manager, Longhorn, RKE, RKE2 (RKE Government), and K3s.

Sandia National Labratories / Sept 2019 - Feb 2021

Senior Solutions Architect

- Lead Architect for expanding configuration management (Ansible) throughout the Labs. Built CI pipelines for all Ansible code to allow other departments to contribute to code. The CI pipeline used GitLab runners which were in multiple Rancher-built Kubenetes clusters that I built. Wrote a custom Molecule driver which used Terraform to build VMs in on-prem Azure Stack and on-prem OpenStack clusters to run tests. Worked with CyberSecurity and Common Operating Environment teams to establish a code base. Built Python Flask applications to allow automated adding of Linux hosts running node_exporter to Prometheus/Grafana monitoring via GitLab and Helm. Wrote Terraform templates to help multiple teams push for Infrastructure As Code.

Rackspace / June 2018 - Sept 2019

Senior DevOps Engineer

- Lead a DevOps team that successfully migrated a monolithic Java codebase to a collection of microservices. This environment tested on Google Cloud Build then, using Spinnaker, deployed on multiple clusters on Google

Kubernetes Engine. This fully automated CI/CD pipeline was initiated from a developer commit and ends in full deployments on Dev and Stage clusters with zero human intervention. Managed the development of Helm charts that maintained the infrastructure-as-code deployments for microservices to Kubernetes. Developed and managed processes for day two maintenance of the current infrastructure consisting of over 500 Ubuntu servers across five data centers distributed around the world.

Science Applications International Corporation / May 2015 - May 2018

Applications Developer

- Coded, deployed, and maintained internal enterprise Ruby on Rails (v 2.3.4 - 5.0.2) applications. Migrated applications from a VM infrastructure into Docker containers. Created a fully automated CI/CD infrastructure for multiple projects using Gitlab CI.

DevOps Team Lead

- Built a full CI/CD pipeline using Puppet. Automated a code to test to forge to deployment on a brownfield farm using Gitlab CI and Jenkins. Spearheaded legacy environment automation by scripting (Bash/Ruby/Python) any repeatable tasks to ensure my team functioned efficiently. Built OpenStack environments using both VIO and Mirantis. Provisioned, automated and maintained 800+ Linux servers and workstations. Built Hadoop Data Platform environments in Docker containers and OpenStack instances. Managed a Kubernetes cluster with GPU support for Deep Learning capability (Nvida DGX and IBM PowerAI). As SAIC Team Lead, ensured team of 15 were on task, tracked performance, and oversaw annual reviews.

ZeroLag Communications / May 2012 - May 2015

Linux System Administrator / Security Administrator

- Scripted repeatable tasks to detect and assist with compromised customer servers and remedied security vulnerabilities. Resolved requests/issues escalated by L1 Admins and provided mentoring to the support staff. Assisted customers via ticket system/phone/chat, led the Quality Assurance group for client response. Monitored servers (Icinga/Munin) and oversaw Security and Compliance for internal machines.

HostGator.com LLC / Sept 2009 - May 2012

Linux System Administrator - Migrations Quality Assurance

- Utilized knowledge in LAMP stack and Windows/IIS web server to migrate websites for customers from competing web hosting companies to HostGator servers with zero downtime. Inspected migrated content for malware. Developed scripts (Bash/Python/Perl) to automate repetitive tasks and correct common configuration issues.

Skills

Languages: Python, Bash, Ruby (Rails), HTML, CSS, PHP

Linux Systems: RHEL, CentOS, Ubuntu, Debian

Configuration Management: Puppet, Chef, Ansible

Cloud: IAAS, GCP, Kubernetes, OpenStack, VMWare VIO, Heat, Terraform, Packer, AWS, Mirantis

Automation/Build tools: Jenkins, Docker, Puppet, Artifiactory, Vagrant, GitLab CI

Open Source Contributions

Kubernetes, Docker, Hashicorp Vagrant, RKE2, Spinnaker

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