

Kevin DeGraaf

Sr. DevOps Engineer

Grand Rapids, MI

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734-862-1032

I am a dedicated, passionate Linux / cloud / infrastructure / DevOps engineer who believes in automating everything.

I'm actively seeking 100% remote opportunities (no travel/relocation) in any of the continental US time zones. I am a US citizen.

Authorized to work in the US for any employer

Work Experience

Sr. DevOps Engineer

Elavon - Remote

August 2019 to Present

I am employed by Elavon (a subsidiary of U.S. Bank) as a Sr. DevOps Engineer on the AWS Long-Term Cloud Engineering team. I write and maintain infrastructure code in Terraform, Puppet, Packer, shell, etc. and thoroughly document it all in Confluence.

Highlights include fully-reproducible infrastructure-as-code builds and deployments of:

- An automated Squid proxy system (using API Gateway, DynamoDB, Lambda, S3 and EC2 ASG/LB).
- Jenkins/Packer configurations for CentOS 7 and Ubuntu 20.04 LTS with CIS hardening.
- AWS Backup for protection of tagged resources.
- Rundeck jobs for Terraform automation.

(Note: contract-to-hire through Apex.)

Sr. DevOps Engineer

Rip City Software - Hillsboro, OR

May 2017 to August 2019

I performed part-time remote side work for this employer using Terraform, Puppet, Salt, Ansible and other tools to deliver infrastructure-as-code solutions to several of their clients. I also completed general Linux operational tasks, troubleshoot problems, provided architectural guidance and helped to train other engineers.

Sr. DevOps Engineer

Renew Financial - Remote

May 2017 to June 2019

In my role as a Sr. DevOps Engineer at Renew Financial, I led the cloud architecture and Linux infrastructure-as-code efforts of the Systems Engineering team. I strove to deliver a platform for our developers that was secure, robust, fault-tolerant and reproducible.

I provided guidance around Renew Financial's infrastructure in Amazon Web Services and local branch offices. I helped my teammates design and execute cloud-based deployments of various internal and external applications.

I redesigned and simplified large portions of RF's AWS footprint, including the implementation of a Terraform-managed deployment of AWS Transit Gateway to replace a brittle mesh of BGP and OSPF. I migrated various services from on-premises VMware clusters into AWS as a part of our systems simplification efforts. I streamlined our DNS and DHCP management using Route 53 and open-source tools.

I established our team's usage of Terraform to manage AWS cloud resources. I deployed a new Puppet infrastructure using modern best practices. I set up a new Packer codebase to build reproducible cloud images.

After creating the initial versions of these repositories and procedures, I assumed a stewardship role over these tools. I delivered training to my peers, performed code reviews and acted as a force multiplier to enable my team to rapidly and reliably deliver business value.

I rebuilt Renew Financial's legacy deployment of Sensu, bringing it up-to-date, deploying it in a highly-available, multi-region fashion and rewriting/optimizing many of the checks (including integration with AWS CloudWatch). I implemented a TICK stack (Telegraf, InfluxDB, Chronograf and Kapacitor) to provide detailed performance metrics for our systems and services.

I completed various Linux tasks as needed to keep our CentOS 7 environment running smoothly.

Sr. DevOps Engineer

ZOOM+Care - Hillsboro, OR

October 2016 to April 2017

- Led efforts to standardize and automate ZOOM+Care's CentOS infrastructure; wrote policies, procedures, infrastructure-as-code tooling and documentation.
- Worked on a build pipeline including Jenkins, Artifactory, and a private Docker registry.
- Deployed Puppet 4 and PuppetDB for configuration management; led the development of roles, profiles, modules and lookup data for new server types and brownfield management.
- Deployed Sensu for fully-automated host/service monitoring.
- Developed an AWS systems architecture for ZOOM+Care's next-generation platform.
- Performed DevOps tasks as required, including maintaining ZOOM+Care's AWS infrastructure.

(Note: contract-to-hire through Evo.)

DevOps Engineer

Taos - Remote

November 2015 to September 2016

- Served as the Puppet subject-matter expert for the Pinterest Site Reliability Engineering team.
- Rewrote many Puppet modules to modern code-quality standards.
- Assisted other engineering teams with Puppet module migration, usage and maintenance.
- Trained engineers on Puppet: roles, profiles, components, Hiera, code standards, etc.
- Performed general Linux/DevOps/cloud tasks as required.

Puppet Engineer

Insight Global - Remote

August 2015 to October 2015

- Served as an engineer for the Wells Fargo Puppet team.
- Contributed patches to Puppet modules.
- Performed general operations tasks as required.

Product Development Engineer

Comcast - Remote

November 2014 to August 2015

- Served as Puppet SME for the Xfinity Home operations team.
- Built a load-balanced, version-controlled, Hierar/r10k-enabled Puppet environment.
- Overhauled code standards and workflows, including testing and peer review.
- Trained Linux engineers on Git and Puppet.

(Note: contract-to-hire through TEKsystems.)

Sr. Linux Automation Engineer

Secure-24 - Southfield, MI

November 2012 to November 2014

- Wrote, maintained, reviewed and documented modules, manifests, Hierar configurations and Git repositories for Puppet Enterprise on RHEL and SLES platforms.
- Managed infrastructure for configuration management and version control.
- Trained and supported Linux engineers in the use of the company's Puppet infrastructure.
- Provided infrastructure support for SAP Linux systems.

Sr. Systems Administrator

InterClean Equipment - Ypsilanti, MI

July 2006 to November 2012

- Deployed and administered Debian Linux servers and OpenSuSE Linux workstations in a variety of roles: email, Web, file, domain control, firewall, VPN, VoIP PBX, DHCP/DNS, backup, monitoring, configuration management, etc.
- Implemented multi-site Asterisk telephony.
- Implemented Nagios monitoring of physical/virtual machines and network infrastructure.
- Discussed business needs and solutions with management.
- Developed and documented IT procedures and policies.
- Developed utility applications to address business needs.
- Administered the local network and managed voice/data provider interfaces.
- Managed first-level helpdesk technicians.

Systems Administrator & Support Engineer

CD-adapco - Plymouth, MI

September 2004 to July 2006

- Administered Linux and Windows servers; managed and supported the office IT infrastructure.
- Configured and maintained high-performance compute clusters for CFD applications.
- Supported external customers' use of the company's software products.

Systems Administrator & Developer

Solidus Design - Grand Rapids, MI

June 2001 to September 2004

- Administered Linux servers.
- Developed custom Web applications for clients.
- Designed technical solutions for internal and external customers.
- Managed and supported the office IT infrastructure.

Skills

- Linux
- Puppet
- Terraform
- Packer
- Amazon Web Services (AWS)
- CentOS
- Sensu
- Devops
- Python
- AWS
- Git
- Bash
- Infrastructure as code
- GitHub
- GitLab
- Ubuntu
- Jenkins
- Consul
- Ansible
- DNS
- Scripting
- Docker
- Apache
- DHCP

Certifications and Licenses

Puppet Certified Professional

February 2013 to Present

Certificate #115

Additional Information

- Extensive experience deploying, automating and supporting Linux systems (RHEL, CentOS, SLES, Debian, Ubuntu, etc.) serving a wide range of applications: Web, database, source control, configuration management, telephony, DHCP/DNS, directory, backup, mail, print, license, monitoring, VPN, remote access, file shares, FTP/SFTP, JBoss, Docker, etc.
- Extensive experience designing and implementing configuration management solutions using Puppet open-source, Puppet Enterprise, Hiera, Facter, PuppetDB, r10k, etc. Wrote, maintained and released private Puppet modules, classes, functions, facts, types and providers. Puppet Certified Professional #PCP0000115.
- Experience using a variety of other DevOps tools (Packer, Vagrant, Terraform, Jenkins, Docker, Ansible, Git, etc.) and cloud providers, primarily Amazon Web Services.