Kevin Gangi

Cloud DevOps Engineer
Linux Systems Administrator

Personal Info

Location

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Skills

Linux

Windows

Cloud

AWS

GCP

CloudFormation

Terraform

Docker

Kubernetes

Helm

git

TCP/IP

About

DevOps and Platform Engineer

- Keen ability to explain highly complex systems to upper management.
- Experienced in systems integration in order to create the best possible foundation for any given project.
- Experienced in working with and supporting developers in order to see projects through to completion and continued development.

Linux Systems Administrator

- Experienced with using Ansible to configure and secure different Linux distributions.
- Experienced in building and maintaining enterprise scale on-prem and cloud environments, understanding the application layer to the system layer to the network layer.
- Skilled in the setup and maintenance of highly available and redundant systems.

Experience

10-2020 - 10-2022

Deloitte - *Senior Solutions Specialist, Cloud Architect*

Deloitte provides industry-leading audit, consulting, tax, and advisory services to many of the world's most admired brands, including 80 percent of the Fortune 500. I started as an AWS DevOps engineer but grew into the role of Cloud Architect. That role had me involved in DevOps, systems engineering and administration, and security.

- Lead a team of ten on an AWS migration project that involved setting expectations for work, establishing requirements with clients, and defining sprint plans using Jira, Confluence, and agile methodologies.
- Remediated Nessus results to work towards developing a "golden image" for distribution to developers and production environment systems.
- Lead author of password security guidelines document and disaster recovery document working with the Cyber Security team.
- Implement security controls and STIGs using Ansible for accreditation (NIST 800-53) in FedRAMP High environment running in AWS GovCloud.
- Architect lift-and-shift migration plans from legacy applications to AWS environment in GovCloud.

CI/CD

Jenkins

CodeDeploy

BASH

Python

Ansible

Active Directory

Jira

Virtualization

Ovirt/RHEV

MySQL

Hadoop

Hashicorp Vault

Zabbix

Certifications

CompTIA Security+ CE

active until May 2027

ISC2 Certified in Cybersecurity

active until March 2027

Google Cybersecurity

active April 2024

AWS Certified Solutions Architect - Associate

expired June 2024

- Collaborated with legacy application admins to create Ansible automation playbooks/tasks to increase deployment speed.
- Worked together with developers to bring two environments to ATO in AWS GovCloud.

11-2018 - 09-2020 **Hitachi Vantara (Pentaho)** - *Cloud Engineer, DevOps Engineer*

Pentaho is the brand name for several Data Management software products that make up the Pentaho+ Data Platform, purchased by Hitachi Vantara. Started as the AWS Cloud engineer for Pentaho but grew into a lead role both on-prem and in our cloud environments.

- Championed Ansible as the team/company automation platform and wrote over 25 Ansible playbooks connecting to RHEV, Ovirt, and VMware clusters as well as AWS environments.
- Implemented security best practices for EC2, S3, and security groups using Ansible to record a single point of truth in GitHub.
- Achieved 33-50% monthly cost savings over the last year through use of Cloudformation scripts and spot instances on AWS account.
- Launched Openshift 4.1 cluster for build team CI/CD processing using Ansible and Cobbler to bootstrap nodes on RHEV cluster.
- Designed and implemented business services and servers migration of a TCP/IP network to another floor of the same building. This process required using different Fortinet firewalls and switches from the original location.
- Created Vault environment using Ansible playbooks for storing secrets, PKI/CA, dynamic AWS IAM user/role creation, and AppRole use cases.
- Designed and implemented AWS TGW which connected developer environments via Palo Alto firewalls and the BGP networking protocol. The developer environments were located in FL, MA, CA, Portugal, and multiple AWS accounts.

11-2016 - 11-2018 **Travel Media Group** - *AWS systems administrator, DevOps Engineer*

A hospitality marketing leader providing solutions that give hotels a competitive edge through marketing and business insights. Started as the on-prem systems administrator but grew into a DevOps engineer in an AWS environment.

- Converted initial static design of PHP/FPM production environment into a highly scalable and highly available enterprise environment built with AWS tools and ideals. Wrote and

- Implemented a QA environment using CodeDeploy and CodePipeline to automatically pull GitHub Enterprise updates to the developer branch and deploy them to the QA server. The time from developer code to QA server is measured in minutes instead of days.
- Designed, researched, and delivered a highly scalable WordPress environment with over 500 sites across the QA and Production environments using EC2, EFS, ASGs, ELBs, and CloudFormation templates.
- Worked with a developer to redesign a constant running task into a scalable and elastic task using spot instances and SQS while saving the company 83% of the cost of the original design.

02-2015 - 04-2016

Bookit.com - *Systems Administrator*

Online presence for booking flights and vacations.

- Designed and built a TCP/IP-based data center using Ovirt virtualization software in under three months while we kept production environment online.
- Researched, defined, and optimized database environment into a high performance MySQL environment and taught developers and administrators why we made these changes.

06-2013 - 02-2015

Self-Employed - *Systems Administrator*

Self-employed working contract positions in various environments.

- Managed Vmware 4.x infrastructure for developers and QA.
- Created a centralized login server and VPN using OpenVPN and 389 Directory server.
- Ran a help desk that catered to developers and QA personnel.

02-2009 - 11-2012

Vlingo - *Operations Systems Administrator*

Highest rated voice assistant technology on a mobile phone. Originally hired to be a Windows/help desk systems administrator and after one year of service, promoted to be a member of the Operations team.

- Promoted from IT to Operations team. (CentOS, ~300 servers, 3 on-prem cage locations).
- Researched, designed, and built a 12 node Hadoop cluster and worked with developers to move from using MySQL for audit data to using Hadoop for long term storage. Our MySQL

AWS Certified SysOps Administrator

expired November 2023

Hadoop administrator CDH 3

expired

Honors

Active security clearance

Department of Treasury

3 Hero awards received

Vlingo

Education

ITT Technical Institute

Associate's in Computer Networking Systems

Harvard.edu Online

CS50x Certificate

environment would have been overwhelmed, by the 12x load we were expecting, had this task not be completed in a timely manner.

- Authored scripts to clean up the storage environment by 30% using Perl.
- Redesigned SPOF MySQL environment and instituted multi-master replication for redundancy purposes using MySQL 5.X, 12 servers.
- Wrote and designed F5 iRules to meet business needs after application out grew a single server platform.
- Implemented Cobbler system to bring Linux systems from bare metal to production ready status in about 15 minutes from six to eight hours.
- Worked on and designed various network related tasks involving Cisco Nexus 5Ks, FEX, and 3750Gs.