Phillip Dudley

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work experience

•DevOps Engineer II   **October 2019 - Present**

Blue Cross Blue Shield of Kansas City, Mo:

- Create, manage, and deploy to Azure Kubernetes Service clusters using CI/CD.
- Defined Software Development Life Cycle standards and processes for interacting with contracted work forces.
- Defined policies for working with Azure DevOps and Software Development Life Cycle.
- Assisted with the adoption of Azure Cloud Services.
- Administered Azure DevOps as well as taught others how to use the tool to automate code deployments and infrastructure.
- Automated administrative tasks of Azure DevOps.
- Work with infrastructure to build foundation skills in Infrastructure as Code reducing repeated work as well as Git.
- Work with security team to improve secrets management through the use of CyberArk and Conjur.
- Created and taught the fundamentals of containers and working with Docker and Kubernetes as well as other container technologies.
- Create pipelines to deploy cloud infrastructure for key business initiatives.

•Senior System Engineer   **February 2013 - October 2019**

Cerner Corporation: Kansas City, Mo:

- Used and Developed Chef Cookbooks and Ansible Playbooks for automating deployment of infrastructure and applications, as well as to remediate other issues during operations.
- Deployed and used Continuous Integration and Delivery mechanisms like Jenkins, BuildBot and DroneCI to deliver software and manage operations of systems.
- Performed network, systems and application monitoring using Zabbix Enterprise Monitoring, as well as enhancing existing monitoring through the use of script and API calls.
- Utilized and deployed Splunk for log aggregation and as a time series database for monitoring and historical trending of application and system performance.
- Managed and setup IBM WebSphere Business Process Manager. Scripted deployments of web applications for developers.
- Worked with Informatica PowerCenter Enterprise and with the developers working on it to save and edit connections via XML configurations.

projects

•Kubernetes

- Use Terraform and other automation techniques to deploy Kubernetes in Azure, on-premises, and locally.
- Create slim, secure container images to deploy applications.

•Modernizing Infrastructure Practices

- Use tools like Ansible Core and Ansible Tower to manage infrastructure lifecycles.
- Remove the manual intervention of infrastructure staff by teaching how automation works.

•Continuous Integration & Continuous Delivery

- Transition from manual deployments to automated by using Azure DevOps and Jenkins.
- Moved from Classic UI Pipelines to YAML code-based Pipelines.

education

- **New Horizons Computer Learning: Azure Architect**

  - Azure Architect 300   March 2020

  - Azure Architect 301   April 2020

- **Associate of Arts in Information Technology and Networking**

  University of Phoenix   Graduated 2014

languages and technologies

- Kubernetes, OpenShift, k3s, k0s, minikube, KinD

- Python, Rust, Ruby, Golang, Java, C#, Git, Bash, Maven

- SQL, PostgreSQL, MariaDB, MySQL, Amazon AWS RDS, Hadoop HDFS

- Jenkins, BuildBot, DroneCI, RunDeck, Concourse-CI, GoCD, Azure DevOps

- HashiCorp Vault, Terraform, Packer, Vagrant

- Amazon AWS, Microsoft Azure, OpenStack, Docker, VMWare