

JEFF DAVIS

This Resume is maintained using my Resume Operator powered by K8s

Check it out at: <https://github.com/JefeDavis/Resume-Operator>

OVERVIEW

Passionate Kubernetes Engineer with automation, design, and architecture experience along with strong programming and troubleshooting skills in enterprise environments. Self-motivated with not only a desire to learn, but to lead and teach others as well. Seeking a professionally challenging environment to engage technical and automation skills.

EXPERIENCE

VMware Tanzu Labs

📍 Remote

SENIOR STAFF SOLUTIONS ARCHITECT

August 2023 - October 2023

- Led initiatives to enable customers in bootstrapping and accelerating their DevOps journeys using Tanzu and cloud-native technologies.
- Mentored and developed technical skills for fellow architects in Kubernetes, container orchestration, and cloud-native ecosystems.
- Acted as a strategic "fixer" for high-profile, complex customer engagements, resolving technical challenges and improving customer satisfaction.
- Expanded role beyond Kubernetes deployments to architect comprehensive datacenter environments, including compute systems, storage infrastructure, storage networking, and datacenter networking, ensuring robust and scalable solutions for customers.

STAFF FIELD ENGINEER

March 2021 - July 2023

- Developed open-source tool to convert Kubernetes manifests into fully functional Kubernetes Operators to perform create, update, and delete lifecycles of an application
- Created Golang library to convert Kubernetes Yaml manifests into Golang structs
- Engineered open-source tool to allow overlaying Yaml manifests via Json Path specification
- Designed Golang "marker" lexer using state machine concepts to understand marker comments in Yaml manifests and Golang source code
- Consulted on reference architecture for Tanzu Kubernetes on vSphere



📞 +1-605-269-8437

✉️ mr.JefeDavis@gmail.com

🌐 <https://linkedin.com/in/JefeDavis>

🔗 <https://github.com/JefeDavis>

📍 South Carolina

CORE COMPETENCIES

- Virtual and Container technology design, implementation, and troubleshooting
- Deep understanding of underlying data center concepts and theories
- Expert on Automating problems to remove roadblocks and ease operational overhead
- Productivity in high pressure situations
- Analytical thinking
- Written and oral communication
- Confidence briefing executive staff
- Datacenter design & architecture
- Experienced traveler

SKILLS

Programming: Golang, PowerShell, Python, Docker, Helm, GraphQL, Yaml, Bash,

HTML (including Jinja), Javascript, CSS, SCSS

Developer Tools: Git, Gitlab,

Github, Gitlab CI, Github Actions

Infrastructure-as-Code: Terraform, Puppet, Ansible

Container Orchestration:

Kubernetes, Docker Swarm,

OpenShift

Serverless: Knative, OpenFaas

Monitoring: Prometheus, Grafana, Splunk

Epic Systems

📍 Madison, Wisconsin

DEVELOPMENT PLATFORM LEAD

June 2020 - February 2021

- Led 4 person Site Reliability Engineer team to maintain Development platform consisting of GitLab SCM, Artifactory artifact management software, Security Controls, and Kubernetes Platform
- Lead Architect for Infrastructure as Code technologies and auto enforcement strategies for Epic Hosted platform
- Advisor for Container Strategies across Epic systems Portfolio
- Engineered CI/CD pipeline for 12 languages; allowed automated testing, documentation, building, packaging, and deployment for 200+ developers
- Designed and taught introduction to development courses for new staff; provided common terminology and framework for getting started with git and on-ramp for new developers.
- Blueprinted centralized GraphQL service to combine disparate data into single endpoint; delivered single source of truth to integrate customer, provisioning, and environment information into automation.

VIRTUALIZATION DEVOPS ENGINEER

July 2018 - June 2020

- Developed containerized risk-aware desired state configuration application suite to configure virtual infrastructure; delivered automated consistency and standardization of 60+ vCenters, 38K+ VMs, 3.4K hosts
- Champion for automating processes throughout organization; lead automation developer, SME for PowerShell, Golang, and Container design discussions.
- Lead Team Code Reviewer, analyzed code from 6+ different languages to provide feedback, test for bugs, and mentor on how to create scalable, optimized, and readable code
- Developed automated end-to-end VM provisioning process; reduced deployment time by 80%
- Instituted standardized Module and API Server Frameworks allowing for standard, consistent and faster startup time for new developers.

691st Cyber Operations Squadron, USAF

📍 Ramstein AB, Germany

SENIOR STORAGE AND VIRTUALIZATION ENGINEER

June 2014 - June 2018

- Designed and Deployed vSphere 6.5 architecture at 6 data centers and 22 branch offices across 10 countries
- Acted as chief technical advisor in support of data center deployments, upgrades and optimizations.
- Engineered/automated \$89M standardized enterprise virtual infrastructure platform sustaining 133 virtual suites
- Coordinated Air Force Life Cycle Management Center/industry support; Developed best practices for both classified and unclassified networks, standards, and configurations for enterprise employment
- Administered 1300+ virtual/backup servers on \$10B enterprise network supporting 46K users at 7 data centers/114 branch offices
- Designed content replication architecture to provide standardized VM deployment capabilities across 29 sites decreasing deployment time 90%
- Developed automated means of network deployment ensuring standardized and rapid deployment of new data centers
- Collaborated with VMware, Dell, and Microsoft Personnel to develop turn-key enterprise solutions for deployment on the Air Force Network

CERTIFICATIONS

- [VMware Certified Implementation Expert 6 – Data Center Virtualization\(VCI6-DCV\)](#) (December 2016)
- [VMware Certified Advanced Professional 6 – Data Center Virtualization Design\(VCAP-DCV-Design\)](#) (December 2016)
- [VMware Certified Advanced Professional 5 - Data Center Virtualization Deploy\(VCAP5-DCV-Deploy\)](#) (July 2015)
- [Certified Kubernetes Security Specialist\(CKS\)](#) (August 2024)
- [Kubernetes and Cloud Native Security Associate\(KCSA\)](#) (August 2024)
- [Certified Kubernetes Application Developer\(CKAD\)](#) (August 2024)
- [Certified Kubernetes Administrator\(CKA\)](#) (August 2024)
- [Kubernetes and Cloud Native Associate\(KCNA\)](#) (August 2024)
- [VMware Certified Professional - Data Center Virtualization 2020\(VCP-DCV\)](#) (December 2020)