

James Prentice “Matt”

System Engineer | Linux Administrator

Kansas City, MO

matt.prentice1@protonmail.com

PROFESSIONAL SUMMARY

Systems Engineer with over 5 years of experience in VMware technologies, Linux administration, and cloud platforms (AWS, GCP). Proficient in automating cloud infrastructure using Terraform, Ansible, and Bash, with experience deploying Kubernetes for internal services in VMware Integrated OpenStack (VIO 4.0). Skilled in streamlining operations, ensuring 99.9% system uptime, and managing multi-cloud environments.

WORK EXPERIENCE**Integration Engineer / Linux System Administrator**

DARI Motion – Overland Park, KS | Sep 2022 – Sep 2024 (Hybrid)

- Reduced system deployment time by 77%, developing custom Ubuntu images using PXE boot and Canonical MaaS, from 90 to 20 minutes per system.
- Configured and prepared Terraform scripts to automate the creation of client dashboards, streamlining infrastructure management. Although not fully implemented, the configuration was completed and is stored in a sanitized form in GitHub.
- Managed Linux systems (Ubuntu), providing Tier 3 support, troubleshooting OS and hardware, ensuring optimal system performance.
- Secured a Dell partnership, reducing system build costs by 26%, and integrated enterprise GPUs with Dell and NVIDIA for enhanced performance.
- Maintained zero unauthorized access incidents by managing user access via JumpCloud.
- Coordinated inventory management and logistics, shipping hundreds of systems with minimal loss.

System Engineer 2

Cerner Corporation – Kansas City, MO | March 2019 – Sep 2022

- Upgraded VMware Integrated OpenStack (VIO 4.0) to use a Kubernetes backend for internal VIO services, including load-balanced primary nodes, replicated API servers, and clustered etcd services, installed via OVF templates from VMware.
- Automated infrastructure tasks using Ansible to manage Kubernetes deployments and VMware environments, optimizing resource use and reducing manual intervention.
- Provided Tier 3 support for VMware Integrated OpenStack and VMware vSphere users, troubleshooting complex infrastructure issues and ensuring high availability of critical healthcare applications.
- Automated ESXi server firmware upgrades using Ansible, reducing downtime by 10% across enterprise infrastructure.
- Installed and configured VMware vSphere products (ESXi, NSX, vSAN), and maintained 99.9% uptime for healthcare systems.
- Developed shell scripts in Bash and PowerShell to streamline internal processes and improve operational efficiency.

IT Apprentice

Pueo Business Solutions – Stone Mountain, GA | November 2018 – March 2019

- Supported agile development processes, reviewing web and desktop applications.
- Gathered client feedback and submitted Change Requests for updates to the INSIGHT system.

PROJECTS

Home Kubernetes Cluster

- Developed and deployed a Kubernetes cluster using Docker Desktop's built-in Kubernetes engine.
- Configured the cluster to run various containerized applications, demonstrating practical understanding of container orchestration.
- Integrated GitHub for version control and CI/CD processes to automate deployment and scaling of services within the cluster.
- Explore the project: <https://prenticesolutions.github.io/>

EDUCATION

Bachelor's Degree in Web Development using .NET

American Military University – Charles Town, WV | 2016 – 2019

MILITARY SERVICE

United States Army – Logistics Specialist

Rank: Specialist | March 2005 – November 2008

- Managed inventory control systems and equipment using SAMS-E and ULLS-G programs.
 - Oversaw storage, receipt, and issue of supplies, ensuring accuracy and accountability for shipments.
-

SKILLS

- **Operating Systems:** Oracle Linux, Red Hat, Ubuntu, Debian
- **VMware Technologies:** vSphere, ESXi, vCenter, NSX, vSAN, VMware Integrated OpenStack (VIO 4.0), vRealize Log Insight
- **Linux Administration:** Ubuntu, Red Hat, PXE boot, system imaging, Canonical MaaS
- **Automation & Scripting:** Terraform, Ansible, Python, PowerShell, Bash
- **Cloud Platforms:** Google Cloud Platform (GCP), AWS, OpenStack
- **DevOps & Monitoring:** Jenkins, Zabbix, Splunk, Prometheus, Grafana, Alertmanager, VMware vRealize Log Insight
- **Containerization & Orchestration:** Docker, Kubernetes (for VIO 4.0 services and home projects)
- **Identity & Access Management:** JumpCloud
- **Version Control:** GitHub, Bitbucket
- **Project Management:** Led enterprise-level system deployments, secured Dell partnerships

- **Problem Solving:** Skilled at resolving Linux, cloud, and VMware-related issues, ensuring system uptime and efficiency