

Marcus Sharp

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Profile

Cloud and Infrastructure Automation Engineer with over 10 years of experience optimizing and deploying scalable, secure, and reliable systems using tools like Ansible, Python, Terraform, and Kubernetes. Proven success automating large-scale VMware and bare-metal environments, and experienced in provisioning cloud resources, monitoring infrastructure, and leading incident response. Currently expanding cloud skills to include AWS and Terraform-based IaC. Collaborative, solution-focused, and driven to reduce complexity through automation.

Experience

Automation Specialist | DevOps Engineer

Dell Inc. - Remote, United States | Feb 2013 - Present

- Led automation for full-stack VMware cluster deployments from bare metal to production using Ansible, Python, StackStorm, and PowerShell, reducing provisioning time from three to five months to three to five days.
- Developed and maintained Zero Touch Provisioning systems integrating Dell iDRACs, ESXi, NSX, vCenter, and Dell storage.
- Created custom automation scripts for performance monitoring, configuration compliance, and operational hardening.
- Championed cross-team collaboration to align infrastructure standards and support rapid deployment cycles.
- Mentored peers on automation tooling and workflows, raising operational maturity and independence.
- Participated in incident response and root cause analysis, contributing to enhanced reliability and system resilience.
- Helped institute infrastructure hardening processes and improved documentation to ensure continuity and

onboarding efficiency.

Video Security & VMware Administrator

Austin Independent School District - Austin, TX | May 2005 - Jan 2013

- Oversaw deployment of a 2500+ camera security system with 47 servers across 133 campuses.
- Spearheaded server consolidation efforts, migrating physical systems to VMware.
- Worked closely with network and operations teams to maintain high availability.
- Developed and enforced IT standards and procedures for third-party vendors.

Lotus Notes Developer

Austin Independent School District - Austin, TX | Sep 2001 - May 2005

- Developed enterprise workflows and tools using LotusScript, Java, and web technologies.
- Automated registration, change tracking, and reporting functions for district operations.

Skills

Automation & Scripting: Ansible, StackStorm, PowerShell, Python, Bash

Infrastructure-as-Code: Terraform, YAML, GitLab CI/CD

Cloud & Virtualization: VMware vSphere, vCenter, ESXi, vRealize Automation, VVD, AWS (basic)

Containers & Orchestration: Docker, Kubernetes

Monitoring & Ops: Proactive troubleshooting, root cause analysis, incident response, documentation

Other Tools: Jira, Confluence, Git, VS Code, WSL

Education

Master of Science, Computer Information Systems

St. Edward's University - Austin, TX | 2004

Bachelor of Science, Speech Communication

