

ADAM KOCH

Senior IT Systems Administrator

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Senior Systems Administrator with 10+ years managing hybrid Windows, Linux, and multi-cloud (AWS, Azure) environments across healthcare, financial services, and education. Proven record of cutting cloud costs 25–30% and manual workload 40% through automation, while maintaining NIST and GLBA compliance for enterprise environments supporting nearly 4,000 users.

CORE COMPETENCIES

Languages	PowerShell, Python, Bash, Lua, XML
Software & Tools	Microsoft 365, Active Directory, Microsoft Entra ID, Okta, Microsoft Intune, Group Policy, DNS, DHCP, PKI (ADCS, DigiCert Cloud PKI), ServiceNow, Git, ConnectWise Automate, NinjaOne, Rubrik, Azure Virtual Desktop, Packer
Security Frameworks	NIST, GLBA, CIS Benchmarks
Hypervisors	Nutanix, VMware, Hyper-V
Operating Systems	Linux (CentOS, Ubuntu, Mint, Fedora, RHEL); Windows 7–11; Windows Server 2008R2–2025
Cloud Platforms	Amazon Web Services (AWS), Microsoft Azure

PROFESSIONAL EXPERIENCE

Senior Systems Administrator

Movement Mortgage

May 2023 – Present

Indian Land, SC

- Designed, implemented, and managed AWS and Azure cloud solutions, improving system performance while cutting infrastructure costs by 30%.
- Administer on-premises and cloud-based Linux and Windows servers supporting mission-critical applications, maintaining high availability and security.
- Built automation scripts in PowerShell, Bash, and Python for deployment, configuration, and monitoring, reducing manual intervention by 40%.
- Lead cloud security initiatives — network segmentation, encryption, IAM policies, and vulnerability management — ensuring compliance with NIST and GLBA standards.
- Run recurring cloud cost reviews identifying underutilized resources, delivering 25% in ongoing monthly savings.
- Architected and maintain an Azure Virtual Desktop environment spanning 4 host pools, using Packer to automate golden-image builds and ensure consistent, repeatable desktop deployments.
- Led deployment of a hybrid Rubrik backup solution spanning cloud and on-premises appliances, establishing disaster recovery capabilities where none previously existed.
- Administer Okta for enterprise identity and access management, including single sign-on, MFA policies, and application provisioning.
- Configure, test, and roll out Microsoft Entra ID Conditional Access policies, and manage Entra ID users, groups, and service principals.
- Set up and maintain PKI certificate infrastructure using Active Directory Certificate Services (ADCS) and DigiCert Cloud PKI.

Manager, Systems Administration

Global Lending Services

November 2020 – May 2023

Greenville, SC

- Co-managed 20 physical Hyper-V hypervisors and 100+ virtual machines across Rackspace, Azure, and AWS as part of a 4-person systems team.
- Deployed and managed network, application, and security infrastructure to automate financial decisioning for automotive loans, partnering with IT Security to meet federal regulatory requirements.
- Administered 1,200+ user accounts across Active Directory, Azure AD, and Microsoft 365; developed Group Policies to harden workstation and server security.
- Administered Microsoft Entra ID as the organization's identity platform, including Conditional Access policies, SAML-based single sign-on for enterprise applications, and user and group management.

- Applied CIS Benchmarks as part of security hardening standards across workstations and servers.
- Automated administrative workflows using PowerShell, Batch, and Bash, cutting time spent on repetitive tasks by an estimated 35%.

IT Systems Administrator

May 2019 – November 2020

Southside Christian School

Simpsonville, SC

- Managed a 2-host VMware ESXi server fleet running 29 VMs and administered an on-premises Exchange server for 250+ active accounts.
- Imaged, deployed, and maintained a fleet of ~250 desktops and laptops; authored and enforced workstation-use and Group Policy standards.
- Built an MDT/WDS PXE-boot imaging solution that cut per-device deployment time by an estimated 50%.
- Administered Active Directory across two domains, an Azure AD domain, and a Google Workspace directory of ~500 Chromebooks; deployed a CentOS server for infrastructure monitoring.
- Built a PDQ Deploy/Inventory infrastructure for centralized patching across the full device fleet, including servers.
- Deployed and managed JAMF School with Apple School Manager to administer a 150-device iPad fleet.

Associate Application Analyst

May 2018 – May 2019

Care Coordination Institute

Greenville, SC

- Configured and administered production and test RHEL 7 servers for a care-coordination software platform, minimizing downtime through proactive troubleshooting and root-cause analysis.
- Led feasibility research and test-plan development for an Oracle-to-AWS database migration, ensuring compliance with technical specifications.
- Supported application implementation, validation, upgrades, and documentation across the full software lifecycle.

I/S Desktop Analyst

January 2014 – May 2018

Greenville Health System

Greenville, SC

- Deployed and maintained a health-system-wide desktop fleet using Microsoft SCCM; streamlined procurement, installation, and licensing for desktops, software, and peripherals.
- Built a Google Chrome extension that improved administrative tracking and incident-response workflows for the desktop analyst team.
- Met SLA targets resolving tickets and providing hands-on support across Windows desktops, laptops, and workstations; served as subject matter expert for AD account lifecycle and Group Policy.

EDUCATION

Bachelor of Science, Cloud & Systems Administration — Western Governors University May 2018 – September 2019

TRAINING & CERTIFICATIONS

- Microsoft Azure Administrator Associate (AZ-104) — Microsoft, February 2023
- Microsoft Azure Fundamentals (AZ-900) — Microsoft, May 2021
- AWS Certified SysOps Administrator – Associate — Amazon Web Services (previously held; renewing)
- Security+ CE (SY0-501) — CompTIA, March 2018
- LPIC-1: Linux Administrator — Linux Professional Institute, June 2018
- Server+ (SK0-004) — CompTIA, March 2018

Additional CompTIA, Microsoft, and ITIL foundational certifications (2013–2018) available upon request.