

# 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

|                             |                                                                                                                                                  |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Languages</b>            | PowerShell, Python, Bash, Lua, XML                                                                                                               |
| <b>Software &amp; Tools</b> | Microsoft 365, Active Directory, Group Policy, DNS, DHCP, ServiceNow, Git, ConnectWise Automate, NinjaOne, Rubrik, Azure Virtual Desktop, Packer |
| <b>Hypervisors</b>          | Nutanix, VMware, Hyper-V                                                                                                                         |
| <b>Operating Systems</b>    | Linux (CentOS, Ubuntu, Mint, Fedora, RHEL); Windows 7–11; Windows Server 2008R2–2025                                                             |
| <b>Cloud Platforms</b>      | 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.

### 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.
- Automated administrative workflows using PowerShell, Batch, and Bash, cutting time spent on repetitive tasks by an estimated 35%.

### IT Systems Administrator

*Southside Christian School*

**May 2019 – November 2020**

*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**

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

## **TRAINING & CERTIFICATIONS**

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- Microsoft Azure Administrator Associate (AZ-104) — Microsoft, February 2023
- Microsoft Azure Fundamentals (AZ-900) — Microsoft, May 2021
- 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.*