

# Spencer Nash

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## SUMMARY

Senior Systems and Cloud Engineer with eight years of experience building and operating **hybrid infrastructure** across **Microsoft Azure, Google Cloud Platform**, and on-premises data centers. Brings hands-on strength across Windows Server, Linux, Nutanix virtualization, Active Directory, DNS, DHCP, Group Policy, certificate services, networking, storage, backup, and disaster recovery. Creates repeatable infrastructure with Terraform, Git, CI/CD pipelines, PowerShell, Bash, and Python, turning manual work into consistent delivery. Has led **cloud landing zones**, workload migrations, cost governance, monitoring, patch management, systems hardening, and root-cause incident response. Clear communication helps infrastructure, application, security, and vendor partners make practical decisions. Ready to bring dependable engineering, thoughtful automation, and supportive mentorship to Northstar Equipment Supply.

## EXPERIENCE

### Senior Systems and Cloud Engineer

July 2022 - Present

Crescent Industrial Distribution

*Naperville, IL*

Own hybrid infrastructure engineering across Microsoft Azure, Google Cloud Platform, and two **on-premises** data centers. Guide cloud architecture, platform standards, automation, security, capacity, incident response, and recovery planning for distribution, finance, and customer-facing workloads. Mentor four systems engineers and connect technical decisions with dependable business operations.

- Led Azure and GCP infrastructure engineering for distribution, finance, and customer-facing workloads across two **data centers**, improving platform reliability.
- Built reusable Terraform modules for Azure networking, identity, compute, storage, and tagging, moving delivery into peer-reviewed Git workflows.
- Established **Nutanix** host, cluster, capacity, and performance practices, reducing resource contention through planned maintenance and workload placement.
- Directed **Windows Server** and Linux patching and hardening with PowerShell, Bash, monitoring data, and maintenance runbooks, strengthening operational readiness.
- Built Azure landing-zone controls and GCP project standards for VPN connectivity, **role-based access**, backup policies, cost visibility, and **resource hygiene**.
- Mentored four systems engineers through incident reviews, architecture diagrams, disaster-recovery exercises, Terraform patterns, and infrastructure automation.

### Cloud Infrastructure Engineer

March 2020 - June 2022

Harborline Logistics Group

*Schaumburg, IL*

Delivered cloud and hybrid infrastructure for warehouse, inventory, and analytics applications. Combined Azure and GCP services with VMware, Nutanix, identity, networking, storage, and operational controls. Coordinated application owners and vendors through migration planning, testing, cutover, backup validation, and post-migration support.

- Delivered Azure and **GCP** compute, storage, **networking**, identity, and serverless infrastructure for warehouse, inventory, and analytics applications linked with VMware and Nutanix.
- Created Terraform configurations for compute, storage, subnets, firewall rules, service accounts, and serverless components, replacing inconsistent manual builds.
- Automated Windows administration and Linux configuration with PowerShell and Bash, covering account provisioning, certificate renewal, and compliance checks.
- Supported **Active Directory**, DNS, DHCP, Group Policy, and **certificate services** across multiple sites, resolving authentication and name-resolution failures through root-cause analysis.
- Implemented Git-based **CI/CD** validation for infrastructure changes with plan reviews, state controls, **reusable modules**, and rollback procedures.
- Coordinated workload migration planning with application owners and vendors, sequencing testing, cutover, backup validation, monitoring, and service acceptance.

### Systems Engineer

August 2018 - February 2020

Blue Ridge Health Services

*Oak Brook, IL*

Administered Windows Server and Linux environments across clinical support, corporate, and hosted operations. Managed virtualization, storage, backups, Azure services, monitoring, network connectivity, and service documentation. Supported secure application transitions from a local data center while improving escalation quality and recovery readiness.

- Administered Windows Server and **Linux** systems across clinical support, corporate, and hosted environments, maintaining availability and security controls.
- Maintained virtual hosts, clusters, **storage** allocations, SAN/NAS connectivity, and backup jobs while tracking capacity and performance trends.
- Supported Azure **compute**, storage, virtual networking, **identity**, and site-to-site VPN services for applications moving from a local data center.

- Developed **PowerShell** and Bash utilities for patch reporting, service checks, log collection, and repeatable server configuration activities.
- Created system diagrams, troubleshooting guides, recovery checklists, and **standard operating procedures**, improving service-desk escalation handoffs.
- Investigated monitoring alerts and infrastructure incidents, documenting contributing factors and corrective actions for recurring server, network, and authentication failures.

**Infrastructure Administrator**

July 2018 - July 2018

Ironwood Technology Partners

Downers Grove, IL

Supported Windows Server, Linux, virtualization, networking, backup, and customer infrastructure operations under senior engineer supervision. Followed approved change procedures while handling account administration, patching, monitoring, connectivity checks, documentation, and vendor handoffs for small and midsize environments.

- Supported **Windows Server**, Linux, and **virtualization** operations for small and midsize customer environments under senior engineer supervision.
- Performed server patching, account administration, **Group Policy** updates, **DNS** changes, and certificate-service maintenance through approved change procedures.
- Configured VLAN assignments, firewall rules, VPN accounts, and switch-port changes while validating connectivity with network and application owners.
- Monitored backup jobs, SAN/NAS capacity, system health, and alert queues, escalating risks before scheduled maintenance windows.
- Wrote PowerShell and **Bash** scripts for inventory collection, service validation, and routine administrative checks, reducing repetitive support work.
- Produced asset records, network diagrams, and incident notes that improved handoffs among field technicians, **vendors**, and infrastructure engineers.

**PROJECTS**

**Hybrid Cloud Landing Zone Program** 📅 2025

Standardized Azure and GCP foundations with Terraform modules, identity controls, VPN connectivity, tagging rules, backup policies, and Git-based delivery. Created a practical base for secure workload migration and cost visibility.

**Infrastructure Disaster Recovery Readiness** 📅 2024

Coordinated backup validation, recovery checklists, runbooks, monitoring reviews, and tabletop exercises across cloud and data-center services. Improved recovery confidence for business-critical infrastructure and support teams.

**Nutanix Capacity and Automation Initiative** 📅 2023

Established Nutanix host and cluster capacity practices, then paired PowerShell and Bash utilities with monitoring data to improve workload placement, maintenance planning, and resource contention response.

**LEADERSHIP & AWARDS**

- Infrastructure Automation Excellence Award, Crescent Industrial Distribution, 2025
- Cloud Migration Delivery Recognition, Harborline Logistics Group, 2021
- Northern Illinois University Information Technology Academic Scholarship, 2018

**EDUCATION**

**Bachelor's Degree in Information Technology**

2018

Northern Illinois University GPA: 4.0

DeKalb, IL

**Coursework:** Systems Administration, Network Security, Database Management, Cloud Computing

**CERTIFICATIONS**

- Microsoft Certified: Azure Administrator Associate 📅 2023
- Google Associate Cloud Engineer 📅 2024
- HashiCorp Certified: Terraform Associate 📅 2022

**TECHNICAL SKILLS**

- **Cloud Platforms:** Microsoft Azure, Google Cloud Platform, Azure Virtual Machines
- **Infrastructure as Code:** Terraform, Terraform modules, Terraform state
- **Operating Systems:** Windows Server, Linux, Ubuntu
- **Virtualization:** Nutanix, VMware, virtual hosts
- **Identity Services:** Active Directory, role-based access control, service accounts

- **Network Services:** DNS, DHCP, Group Policy
- **Network Infrastructure:** Switching, VLANs, routing
- **Security Connectivity:** Firewalls, VPN, hybrid connectivity
- **Automation Languages:** PowerShell, Bash, Python
- **Source Control and Delivery:** Git, CI/CD pipelines, plan reviews
- **Storage and Recovery:** SAN, NAS, backup, disaster recovery
- **Operations Management:** Monitoring, patch management, systems hardening
- **Cloud Governance:** Landing zones, tagging, cost governance
- **Service Documentation:** Architecture diagrams, runbooks, standard operating procedures
- **Cloud Workloads:** Compute, storage, networking, identity, serverless

**SKILLS**

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|--------------------------|------------------|--------------------|--------------|
| • Azure                  | • Git            | • Nutanix          | • PowerShell |
| • GCP                    | • CI/CD          | • Active Directory | • Bash       |
| • Terraform              | • Windows Server | • DNS and DHCP     | • Python     |
| • Infrastructure as Code | • Linux          | • Group Policy     |              |

**PROFESSIONAL AFFILIATIONS**

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- Cloud Infrastructure Mentorship Circle, Mentor, 2023 - Present
- Chicago Cloud Professionals Network, Member, 2021 - Present
- Northern Illinois University Technology Association, Workshop Volunteer, 2016 - 2018

**LANGUAGES**

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- English (Native)
- Spanish (Intermediate)

**ADDITIONAL INFORMATION**

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**Work Status** : Authorized to work in United States. No sponsorship required.

**REFERENCES**

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AVAILABLE ON REQUEST