

# Matthew Johnson

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## Objective

Information Technology Staff Engineer with extensive experience in cloud infrastructure, network optimization, and disaster recovery. Certified Azure Administrator (AZ-104) with a broad range of additional technical certifications. Expertise in designing scalable systems, enhancing security, and driving high-availability solutions. Skilled in team leadership and implementing innovative technologies to improve operational efficiency and reduce costs.

## Professional Experience

### Cloud Staff Engineer - High Availability and Disaster Recovery Architect

#### BHG Financial, Davie, FL 08/2015 – 03/2025

- Upgraded the company's main application platform that communicates with TransUnion and Equifax from a single VM platform to a High Availability (HA) pair platform, enabling full failover capabilities.
- Transitioned the main communication methods from deprecated VPN protocols to API-based communication, enhancing the reliability and security of PII data exchanges with TransUnion and Equifax.
- Actively maintain high-level architectural wikis and provide comprehensive training and documentation for users and support teams, ensuring consistent knowledge transfer and system understanding.
- Managed the migration of over 500 virtual machines to a hybrid cloud environment, integrating two physical VMware-based data centers with Azure East and Central, resulting in a 25% reduction in operational costs.
- Developed and implemented high availability and disaster recovery solutions using Dell PowerProtect, increasing system uptime to 99.5%.
- Led a team of 8 engineers to ensure a smooth transition with the deployment of Cisco ACI spine and leaf architecture, with minimal downtime.
- Mentored junior engineers and provided training on new technologies, fostering a culture of continuous learning within the team.

### System Engineer

#### BHG Financial, Davie, FL 08/2020 – 08/2023

- Deployed Tanium for endpoint management and threat detection, improving incident response times by 35% and reducing vulnerability exposure by 40%.
- Led in the design and implementation of Cisco UCS infrastructure, improving data center consolidation and resource utilization.
- Implemented LogicMonitor for real-time infrastructure monitoring, which increased system reliability and reduced downtime by 85%.
- Automated routine maintenance tasks, saving the IT team about 20 hours per week.

### Network Engineer

#### BHG Financial, Davie, FL 08/2018 – 08/2020

- Designed and implemented a Palo Alto multi-datacenter, multi-branch firewall solution with integrated VPN access, reducing unauthorized access attempts by 60% and ensuring secure remote work capabilities.
- Installed, configured, and administered storage area network (SAN) solutions to meet data storage and retrieval requirements.
- Optimized network architecture, leading to a 35% increase in data transfer speeds and overall network efficiency.
- Conducted network audits and implemented remediation strategies, improving compliance with industry standards and best practices by 50%.

### **System Administrator**

#### **BHG Financial, Davie, FL 08/2015 – 08/2018**

- Managed and maintained a multi-site Windows Active Directory environment, supporting over 1500 users and 400 servers.
- Successfully consolidated three physical data centers into two, significantly reducing the physical footprint and operational costs.
- Led the migration of over 800 TB of data to the new environment with no data loss and minimal downtime, ensuring a smooth transition and uninterrupted business operations.
- Implemented virtualization technologies and efficient resource management policies.

### **Information Technology Manager**

#### **Culinary Concepts, Pompano Beach, FL 09/2012 – 07/2015**

- Supervised a team of 2 IT experts in managing and maintaining the company's IT infrastructure.
- Assisted with troubleshooting and repair of IT infrastructure, contributing to increased efficiency and reliability.
- Architectural planning and execution for end-user systems, printing, and point-of-sale.

### **Jr. System Administrator**

#### **Montana State University Billings, Billings, MT 01/2011 – 08/2012**

- Provided support for the university's IT systems, including network and server management.
- Automated routine helpdesk tasks, reducing manual workload by 25%.
- Assisted in migrating student and faculty data to a new server infrastructure.

## **Technical Skills**

Operating Systems: Windows Server, ESXi, Linux

Networking: Cisco, Palo Alto, A10, Fortinet, Kemp

Cloud Platforms: Azure, AWS

Storage Systems: Pure Storage, Dell PowerStore, Cohesity, Dell PowerProtect

Cybersecurity: Palo Alto, Tanium, CrowdStrike, Certificate Management, Encryption

Databases: SQL, MySQL, Advantage

Tools: Atlassian, Terraform, Git, Azure ARM, Tanium, Illumio, LogicMonitor, New Relic

Programming Languages: PowerShell, Python, Terraform (HCL), JSON, SQL, HTML5, Java

## **Education**

Western Governors University | 2016

Bachelor of Computer Information Sciences and Support Services

Montana State University Billings | 2012

Bachelor of Applied Science (BASC), Cisco Systems Networking LAN/WAN Management

## **Certifications**

Microsoft Certified: Azure Administrator Associate | Certification # KAF28A-5C4329 | 2024

Administering Cisco UCS with Intersight | 2022

Implementing Cisco DCACI Application Centric Infrastructure | 2022

PCNSA - Palo Alto Networks Certified Network Security Administrator | 2019

Cisco Networking Academy (CCNA Equivalent) | 2014

## **Professional Development**

Advanced Cybersecurity Training | Pluralsight | 2020-Present

Continuously completing advanced modules in threat detection, infrastructure security, and incident response to enhance defense against emerging cyber threats.

ITIL Foundation Workshop | ITIL Global Knowledge | 2022

Attended an intensive two-day workshop on ITIL frameworks, gaining hands-on experience in IT service management, project management, service operation, and team collaboration.

Microsoft Ignite | Microsoft | 2019

Participated in a Microsoft expo on cloud technology, gaining insights into the latest trends in cloud infrastructure, security, and service models.

## **References**

Available upon request.