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## Summary

Senior Network Administrator who works across the organization to ensure reliable and secure digital communications in the age of data dependency and distributed workforces.

- In a senior role, oversees the health of the infrastructure, supporting environments that are available, reliable, performant, and secure.
- Uses a metrics-based approach to monitor and identify operational performance issues and provides frequent status updates to keep management apprised of issues and timelines for resolution.
- Partners with security teams, to implement policies, processes, and best practices to prevent, detect, and monitor unauthorized access.

## Professional Experience

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### Senior Network Administrator, Company Name

December 2017 – Present

In an industry driven by business, social, and technological change, providing network administration, operations feedback, and requirements for the continuous modernization of the network infrastructure and support structure.

- Served as subject matter expert for the design of a network management dashboard to monitor critical elements of the network. Contributed to alerting and reporting capabilities, navigation, systems integration, and processes for user account management and issue tracking.
- Applied advanced expertise in network vendor hardware and software including Cisco, F5, Barracuda, Palo Alto, VMWare NSX, VMWare Workspace One, SolarWinds, Wireshark, ManageEngine, and Nagios.
- Provided requirements for the design of a global DMVPN architecture which improved connectivity and provided easier implementations. Restructured the network to include strict ACL, Firewall, IPS/IDS, and role based access.
- Contributed to team effort for the implementation of a new networking strategy to frame a complete plan of action for our network's background, history and goals.
- Worked closely with the Network Engineer and Network Architect to rapidly design and implement a WFH/Hybrid workforce experience with a network infrastructure that is stable and fast.
  - Provided feedback during the implementation of Auvik's cloud-based network monitoring to create visibility into home networks.
  - Used real-time hardware metrics to monitor performance and proactively prevent problems.
- Collaborated with the security team to improve the security posture with a Zero Trust model designed to reduce risk and increase productivity. Included a new network hardening process, authentication, Cisco for network redundancy, Oracle Cloud for failover, and VMware for replication.
- Implemented best practices in wireless network administration. Applied depth of knowledge in wireless technologies, radio frequencies and components, IEEE 802.11 standards, and a WLAN architecture to address troubleshooting needs and support business functions.

### Senior Network Administrator, Company Name

June 2013 – December 2017

Within a fast-paced financial services environment, took on expanded responsibilities as a Network Administrator, Network Engineer, and NOC Technician. Supported a global corporate infrastructure, including trading systems and financial applications.

- Administered advanced network infrastructures, achieving high availability with a range of routing protocols and technologies. Architected a robust DMVPN environment, secured global networks, and maintained highly efficient communication platforms.

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- In a team leadership role, managed many improvement projects, including network restructuring, design of redundant networks, and implementation and improvement of disaster recovery plans, practices, and processes.
  - Collaborated across the enterprise to ensure minimal impacts during mergers and acquisitions. Employed user satisfaction reviews and impact analysis as part of the feedback loop.
    - Assessed the enterprise network and determined its strengths and vulnerabilities, security posture, and complexity before defining and implementing a migration plan.
    - Defined and implemented a testing and risk mitigation plan, working with network and cloud engineers.
  - Led implementation of a Network Management System (NMS) to centrally monitor, manage, and configure a network with tens of thousands of devices requiring round the clock access.
    - Created pre-production testing environment and implemented a rollback procedure in case of instability.
    - Addressed backend incompatibility issues by working hand-in-hand with software vendor to get the database driven system prepared and migrated, with zero business productivity impacts.
  - Technologies Used: ZenMap and NMap, WireShark, Python, Oracle VirtualBox, Microsoft Visio, IPerf, SolarWinds, Cisco Packet Tracer, PRTG Network Monitor, PuTTY, SecureCRT.

## Education

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**Northwestern University, BA in Information Systems, 2010**

Certifications: CompTIA A+, Network+, CCNA, CISSP