Mark Ozga

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Professional Summary

Successful Senior Network Engineer accomplished in managing enterprise-wide networks for large-scale operations. Plan, implement and continuously improve infrastructure and controls to stay on top of changing operational and security demands. Expert in disaster recovery and business continuity planning.

Certifications

* Certified Information System Security Professional (CISSP 593743)
* Microsoft Certified Systems Engineer (MCSA & MCSE)
* Cisco Certified Network Professional (CCNP & CCIE)
* VMware Certified Professional (VCP x2)

Skills

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| * Internet Protocol Suite (TPC/IP)
 |  | * Multiple Firewall management
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| * Enterprise WiFi management
 |  | * VLAN aggregation
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| * Networking protocol expertise
 |  | * Routing protocol expertise
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| * Port security knowledge
 |  | * Cisco Catalyst switching expertise
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| * Subnetting expertise
 |  | * Checkpoint firewall equipment
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| * Cisco Meraki wireless expertise
 |  | * Modern DNS implementation
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Work History

Network Engineer 03/2023 to 12/2024

St. Lucie County BOCC – Ft. Pierce, FL

* Managed, updated, and audited network posture for 150 network systems across 20 departments.
* Created and implemented network security posture for 1200 devices using EntraID conditional access.
* Provided network video reports and data analysis to building managers to inform security processes.
Completed network vulnerability scans to identify at-risk systems and remediate issues.
* Worked with Sheriff's office to route network connections across common infrastructure.
Migrated 4 county email systems from Checkpoint Harmony to Proofpoint Enterprise.

Network Engineer III 05/2022 to 03/2023

SDI Presence – Chicago, IL

* Designed secure network architectures, incorporating best practices and latest industry standards. Developed proposals for clients outlining project scope, bill of materials, and timeline.
* Worked with Field Technicians to accomplish technical aspects of projects such as switch deployments.
* Worked closely with customers, internal staff and other stakeholders to determine planning, implementation and integration of system-oriented projects.
* Maintained robust security posture by regularly updating security policies and procedures.
* Provided 2nd and 3rd level technical support and troubleshooting to internal and external clients.
* Setup and reviewed alerts from platforms such as Sophos, and Proofpoint to deploy endpoint agent applications to enable data loss prevention by securing the computer with BitLocker, monitoring the clipboard and emails for personally indefinable information, and preventing tampering with local computer policies.

Senior Network Engineer 08/2021 to 05/2022

Piper Aircraft Inc. – Vero Beach, FL

* Performed complex network administration and security engineering efforts such as desktop firewall engines like Sophos, security remediations, and advanced GPO implementations.
* Analyzed and recommended automated solutions for implementing remediation efforts and enforcing remediation through policies, settings and profiles.
* Designed, deployed and maintained automation to monitor, patch and report on Linux servers.
* Assisted network group with tasks and troubleshot.
* Diagnosed and executed resolution for network and server issues.

Senior Network Engineer 08/2020 to 08/2021

Eastern Metal Supply

* Analyzed existing network and application architectures, presenting findings on possible enhancements and improvements to senior decision-makers.
* Managed purchasing and installation of networking equipment such as core routers and switches.
* Installed and configured network security solutions such as VPNs, Firewalls and intrusion detections and mitigation tools.
* Monitored servers and escalated emergency technical issues beyond scope to maintain optimum up-time.
* Conducted security assessments and made recommendations for disaster recovery, remote access, network appliances, servers and directory services security.

Lead Network Engineer 07/2017 to 12/2020

Parsons Corporation

* Experience in Installing, Upgrading, Maintaining and Configuring Red Hat Enterprise Linux 7 & 8 distributions and other Linux distributions in AWS and Google Cloud Platform.
* Wrote and maintained custom scripts to increase system efficiency and performance time, as well as deployed Google Cloud based monitoring servers for pro-actively probing on-premise equipment for issues beyond scope to maintain optimum up-times.
* Conducted security assessments and made recommendations for disaster recovery, remote access, network appliances, servers and directory services security.
* Experience in creating AWS computing instance Services like EC2 and Amazon Elastic Load Balancing
* Contributed to implementation and support of SNMP monitoring software and other network monitoring tools as well a dedicated-on premise logging server.
* Provided complete end-to-end engineering and installation of route-based IP network solutions, including public facing BGP routers.
* Developed strategies, budgets and deployment plans to inform and influence management and stakeholders.
* Managed application patches, data backup, security changes and network configuration and replaced boards, changed servers and loaded and tested software applications.
* Performed virtual machine provisioning, VM priority setup, and template cloning.
* Monitored network capacity and performance, as well as diagnosed and resolved complex network problems.
* Improved MS Exchange migration, to have comply with Office 365 modern authentication methods and wells as improved switch configuration by leveraging RADIUS authentication.
* Installed, configured, tested web application security on load balancers and web application firewalls to follow the OWASP security best-practices model.

Senior Network Engineer 01/2020 to 07/2020

Triton College

* Contributed to implementation and support of SNMP monitoring software and other network monitoring tools.
* Performed troubleshooting for Juniper, Cisco and packet analysis.
* Demonstrated proficiency in Linux, virtual platforms and cloud connectivity.
* Managed, tracked and coordinated problem resolution and escalation processes.
* Configured, managed and troubleshot VOIP and multi-media (video) distributed systems and platforms.
* Maintained and expanded vendor relationships through amicable and beneficial interactions with network carriers and TelCo partners.
* Improved network operation by incorporating new technologies into existing designs.
* Monitored network activities to quickly detect and resolve operational and security issues.

Senior Infrastructure Engineer 06/2015 to 07/2017

American Hotel Register Company

* Worked closely with customers, internal staff and other stakeholders to determine planning, implementation and integration of system-oriented projects.
* Wrote Ansible playbooks to launch AWS instances and used Ansible to manage web applications, configuration files, mount points, and packages.
* Resolved issues related to operational components for LAN, WAN and voice systems.
* Built and maintained network infrastructure consisting of Windows, Linux and virtual products on AWS, Azure environments, and Data centers as well as integrating security groups into EC2 and on-premise LAN hardware.
* Hands-on experience in Microsoft Azure Cloud Services (PaaS & IaaS), Storage, Web Apps, Active Directory, Application Insights, Internet of Things (IoT), Azure Search, Key Vault, Visual Studio Online (VSO) and SQL Azure.
* Implemented network security equipment, including firewalls, two-factor authentication, and antivirus software for networks supporting 900 users.
* Hands-on Experience in configuration of Network architecture on AWS with VPC, Subnets, Internet gateway, NAT, Route table.

Network Engineer 08/2012 to 05/2015

3T Imaging And GK Medical Management

* Conducted research to test and analyze feasibility, design, operation and performance of Medical equipment, components and systems.
* Installed, configured, tested and maintained operating systems, application software and system management tools.
* Investigated new and emerging software applications to capture and implement administrative information systems effectively.
* Participated in all phases of system development life cycle, from requirements analysis through system implementation.
* Monitored and tested application performance to identify potential bottlenecks, develop solutions, and collaborate with developers on solution implementation.
* Built and maintained network infrastructure consisting of Windows, Linux and virtual products.
* Successfully diminished a live DDoS attack on Citrix medical billing servers through timely DNS management and permanently resolved with Cloud Flare integration.
* Configured, installed and upgraded MSSQL databases.
* Managed and monitored all installed systems for highest level of availability.

Education

Bachelor of Science: Information Assurance & Security Engineering 06/2012

DePaul University - Chicago, IL