

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 written)
- VMware Certified Professional (VCP x2)

SKILLS

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

WORK HISTORY

Mar 2025 - Current

Network Engineer II

Space Coast Credit Union -
Melbourne, Florida, United States

- Monitored network capacity and performance to diagnose and resolve complex network problems.
- Provided complete end-to-end engineering and installation of route-based IP network solutions.
- Performed troubleshooting for Palo Alto, Cisco, and packet analysis.
- Provided network support services for devices such as switch stacks, firewalls, routers. Managed the complex credit card processing infrastructure running on Cisco Nexus architecture.
- Supported and maintained Cisco Catalyst switch stacks across multiple locations.

- Performed network scans to identify IP address inconsistencies and troubleshooted DHCP issues, including detection of rogue DHCP servers using Wireshark.
- Participated in the deployment of Palo Alto SD-WAN across branch locations, providing on-site technical support.
- Contributed to SAML integration efforts with Trane systems to enhance identity federation and access control.
- Monitored network capacity and performance to proactively identify and resolve complex network issues.
- Engineered and installed route-based IP network solutions from end to end.
- Troubleshoot issues across Cisco devices through deep packet analysis.
- Delivered network support services for switch stacks, firewalls, routers, and additional network hardware. and other hardware.

Mar 2023 - Jul 2025

Network Engineer

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.

May 2022 - Mar 2023

Network Engineer III

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 identifiable information, and preventing tampering with local computer policies.

Aug 2021 - May 2022

Senior Network Engineer

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 troubleshoot.
- Diagnosed and executed resolution for network and server issues.

Aug 2020 - Aug 2021

Senior Network Engineer

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.
- Liaised with dispatch personnel to optimize skill distribution and minimize service lag times through careful engineering triage.
- 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.

Jul 2017 - Dec 2020

Lead Network Engineer

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.

Jan 2020 - Jul 2020

Senior Network Engineer

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.

Jun 2015 - Jul 2017

Senior Infrastructure Engineer

- Worked closely with customers, internal staff and other stakeholders to determine planning, implementation

American Hotel Register
Company

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 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.

Aug 2012 - May 2015

Network Engineer

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

Jun 2012

Bachelor of Science: Information Assurance & Security Engineering
DePaul University | Chicago, IL