Scott Lopez
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Professional Summary

Experienced Network Security and Cybersecurity Engineer with over 10 years of expertise in designing, implementing, and securing complex network infrastructures. Passionate about advancing network and cybersecurity standards through continuous innovation, with expertise in driving secure, scalable, and efficient infrastructures across global and regional projects. Skilled in automation and DevOps methodologies, leveraging tools such as Git, CI/CD pipelines, and Ansible to streamline network security operations and infrastructure deployment. Adept at collaborating with cross-functional teams to enhance security posture and ensure robust defenses.

Core Skills & Competencies

- **Firewalls:** Palo Alto NGFW (PAN-OS), Panorama, Centralized Security Management

- **Networking:** Cisco Nexus, Catalyst (Routing & Switching), Data Center Infrastructure

- **Cloud Security:** AWS Security Groups, Palo Alto VM-Series

- **Automation & DevOps:** Git, CI/CD, Bitbucket, Bamboo, Ansible

- **Security Compliance:** IPS/IDS, Vulnerability Management, Risk Assessment

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Professional Experience

Network Security Engineer – The Vanguard Group, Inc., Malvern, PA | 1/2020 – 7/2023

- Provisioned, administered, and maintained Palo Alto NGFWs across global data centers, primarily using Panorama, while also directly managing PAN-OS firewall pairs as needed.

- Led the initiative to train and transition the DCN team in managing Palo Alto VMs securing a major cloud environment, overseeing CI/CD deployments, and Jira ticket assignments.

- Automated firewall provisioning and maintenance using Git, Bamboo, and Bitbucket, enabling the team to independently handle firewall troubleshooting, infrastructure changes, and CI/CD build deployments.

Sr. Network Engineer – Avanade, Charlotte, NC | 3/2018 – 1/2020

- Deployed virtualized Palo Alto in Amazon Web Services (AWS) cloud to provide edge security to cloud resources.

- Led the configuration and administration of Palo Alto PA-3020 as Internet edge firewalls.

- Configured High Availability (HA) between two Palo Alto appliances in an Active/Passive design.

Sr. Network Engineer – Mercer LLC, Atlanta, GA | 9/2015 – 3/2018

- Migrated 14 pairs of Check Point firewalls to Palo Alto in a like-for-like deployment.

- Migrated IPSec VPN services from ASAs to Palo Alto NGFWs.

- Developed Panorama standards for templates and device profiles for branch office and data center deployments.

Network Engineer – Deloitte Consulting, LLP, Washington, DC | 3/2014 – 9/2015

- Used Palo Alto Migration Tool to migrate 8,000 policies, 1,800 address objects, 600 address groups, 300 service objects, and 120 service groups.

- Configured policy-based routing, IPS policies, NATs, security policies, routes, virtual routers, interfaces, and zones on Palo Alto firewalls for branch network, data center network, and cloud services.

- Configured Palo Alto firewalls for remote and mobile users, enabling malware analysis in a separate, cloud-based process without impacting stream processing.

Education & Training

- **Certificate of Completion in Networking Administration: Cisco** – Glendale Community College, Glendale, AZ | 2019

- **Certificate of Completion in Networking Technology: Cisco** – Glendale Community College, Glendale, AZ | 2019

Certifications

- **Palo Alto Certified Network Security Administrator (PCNSA),** Palo Alto Networks (2022)

- **Cisco Certified Network Associate (CCNA),** Cisco Systems, Inc. (2019)

Technical Proficiencies

- **Security:** Palo Alto, Cisco, Fortinet, Check Point, IPS/IDS

- **Networking:** Cisco Nexus, Catalyst

- **DevOps & Automation:** Git, Bitbucket, Bamboo, Ansible

- **Ticketing & Agile Development:** ServiceNow, Jira

- **Operating Systems:** Linux, Windows, Android

- **Network Management:** MS Office, Visio Pro

Professional Memberships

- $(ISC)^2$

- The Open Worldwide Application Security Project (OWASP)