



Akshatha Mundrathi

Email: akshatha.mundrathi2931@gmail.com

Phone: +1 (405) 570-3584

PROFILE

- **Over 4+ years** of Experience in designing, deploying and troubleshooting enterprise level network infrastructure
- Experience on **Fortinet NSE, Palo Alto NG Firewall** configurations including **URL filtering, Threat prevention, Data filtering, IPsec Tunnels, SSL-VPN and Zone Protection.**
- Experience on configuring and troubleshooting **HA, Zone Based Security Rules, Routing and NAT** on Fortinet firewalls as per the design requirements.
- Responsible for **Fortinet, Palo Alto and Cisco ASA firewall** administration across global locations.
- Profound knowledge in **Cisco ASA 5000** series installation, configuration and maintenance.
- Profound knowledge in **mitigation of DDoS** attacks on **Cisco and Palo Alto Firewalls.**
- Expertise in Configuring and troubleshooting of **STP, RSTP, PVST, RPVST, along with BPDU Guard and BPDU filtering and Port Fast** features on Switches.
- Strong working experience on **VLANs, VTP, Trunking (802.1q/isl)** and **Ether channels** using Link Aggregation Protocols (**LACP/PagP**).
- Configuring and troubleshooting **SVI, Inter-VLAN Routing.**
- Substantial experience in **installing, configuring and troubleshooting Cisco Switches (Nexus 5000, Catalyst 6500, 6800, 4500, 3500, 3800) and Cisco Routers (7600, 7200, ASR 9000).**
- Worked extensively with **Fortigate firewalls (60E,100F)** series and **Cisco Meraki MX (MX5, MX9, MX64,MX67,MX 80, MX240)** series firewalls.
- Experienced in working with **Arista 7100, 7150, 7280, 7300 and 7500** series Switches.
- Profound knowledge on First Hop Redundancy Protocols like **HSRP, VRRP, and GLBP on L2/ L3 Switches for HA.**
- Proficient in configuration & troubleshooting of routing protocols: **BGP, OSPF, EIGRP, MP - BGP** and their **redistribution** over the networks.
- Proficient in implementation of filters using **Standard and Extended access-lists, Prefix Lists, Distribute Lists, Route Maps and Offset Lists for Route Filtering and Metric Manipulation.**
- **Configuring and troubleshooting DNS, DHCP** over large-scale networks.
- Hands on experience in deploying **GRE tunnels, IPSEC Tunnels, SSL-VPN, Site-Site VPN .**
- Experience in maintaining and **troubleshooting L1, L2 and L3 connectivity** in the network.
- Expertise in configuring and maintaining Wireless Infrastructure such as **Cisco Meraki (MS225, MS250, MS350), Aironet Access Points (2600, 3600, 3700) and Wireless Controllers (8500, 5500, 5700), WLANs, RF Tuning and BYOD** management.
- Experience in configuring and managing **AAA Architecture** using **RADIUS, TACACS+ and AD.**
- Hands on experience troubleshooting network traffic using tools like **ping, traceroute, Wireshark, Solar Winds and TCP dump.**
- Well-organized in documenting tools like **Microsoft VISIO, Microsoft Office.**
- Adept in Operating Systems like **Linux, Windows Server 2008/2012, Windows OS.**
- Excellent problem solving and troubleshooting skills with good communication skills.

TECHNICAL SKILLS

LAN Technologies	Ethernet, Fast Ethernet, Gigabit Ethernet, WAPs, IEEE 802.11, Domain, DNS, Static, VLAN, STP, 802.1w, VTP, Ether Channel, Trunks
WAN Technologies	HDLC, PPP, Channelized links (E1/T1/E2/T2), Leased Line, SONET, MPLS VPN, IPsec-VPN
Wireless Technologies	Cisco WLCs 8510, 5508, 5706, Aironet APs 2600, 3600, 3700, 3800, Cisco Meraki MR16, MR18, MR32, MR42, MR72, Aruba 220, 370 APs, 3600
Communication Protocols	TCP/IP, UDP/IP, DHCP, DNS, ICMP, SNMP, ARP, RARP, PPP, HDLC, SDN, SD-WAN
Routing Protocols	OSPF, EIGRP, BGP, Static routing, Route redistribution, Route filtering, Summarization, MP-BGP
Switching Technologies	VLANs, Inter VLAN routing and Port Channels, VTP, Spanning Tree Protocols like PVST+, RSTP+, Multi-Layer Switching, Port security, VSS, and CEF
Network Security Technologies	ASA 5550/5540 Firewalls, Fortigate 60E,100F, Palo Alto firewall PA 200, 3000, IDS, and IPS
Firewalls	Cisco ASA 55XX series, Fortigate and Fortinet firewalls
Network Management	Wireshark, SNMP, TCP dump, Syslog, NTP, DHCP, TFTP
Load Balancers	F5 Network (Big-IP) LTM 8900 and 6400
Redundancy Protocols	HSRP, GLBP, VRRP
VPN Technologies	GRE Tunnelling, Remote Access VPN, Site-to-Site VPN
AAA Architecture	TACACS+, RADIUS, Cisco ACS
Operating Systems	Windows (XP, Vista, Windows 7, 8.1, 10), Linux

EDUCATION

- Bachelor of Technology in Computer Science JNTUH, 2018
- Master's in Computer Science – Oklahoma City University, 2021

CERTIFICATIONS

- Fortinet Network Security Expert – Architect NSE7, 2021
- Fortinet Network Security Expert – Professional NSE4, 2024
- Cisco CCNA -2024

EXPERIENCE

Network Administrator:

BRAUMS Ice cream & Dairy stores, Oklahoma city ,ok

Mar 2022-Present

- Configuring and maintaining the Vlan required for the newly added devices
- Updating all the firewall policies and creating New Networks for the Stores in both Meraki and Fortinet.
- Managing and Monitoring the Cisco Meraki cloud based network.
- Building up the VPN Tunnels (IPSEC & SSL) for the FORTINET DEVICES.
- Provided technical support for help desk staff and the IT team, which included troubleshooting complex networking issues.
- Analyzed network environments and identified potential hardware and software enhancements to improve network performance.
- Manage operations and configuration of network infrastructure, including routers, switches, and WAP.
- Perform daily and weekly backups of servers and network devices.
- Attended meetings with the service providers to define long-term strategy for system implementation and network enhancements.
- Upgrading the SYSTEMS and WINDOWS.
- There were three different Networks including the UNIFI which was used for main production unit.
- I have acknowledge the process of risk assessment and worked on data recovery from various cloud management systems.

Network Engineer Trainee

Netomates IT Services Ltd.

2021-Jan to 2021 Dec

Training objectives

- Basics of IT network.
- Layer 1 – Physical connectivity types
- Layer 2 - VLAN, STP, and Port-Channel.
- Layer 3 - IP routing, VRRP/HSRP, static routing, dynamic routing (OSPF & BGP), NAT.
- Layer 4 – TCP and UDP.
- Common protocols – DNS, NTP, HTTP, HTTPS, SSH, RDP, SSL, LDAP, SYSLOG etc.
- IPSec VPN & SSL VPN
- Network monitoring – SNMP, Netflow, SPAN, and TAP.
- Fortinet firewall technologies – Fortigate, Fortimanager, and Fortianalyzer.
 - Fresh installations
 - Software upgrades
 - Day to day firewall policy management
 - Troubleshooting connectivity issues

IPSec VPN tunnel configurations

- Windows and Linux OS administration.
- Python fundamentals.
- DevOps fundamentals.
- IT Change management process and production best practices.

React Front end Developer

Visa Inc

2021 Dec- 2022 April

- Worked on the project with updating the front end technology from .Net to React js.
- Its Banking project which involved the various teams.
- IT Change management process and production best practices.
- Worked with the agile process and attended daily meetings.
- Experience with the Github and post man and post gre sql.
- Experienced with working in concurrent teams and upskilled with team work