**Yamini**

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**Professional Summary**

* Around 7.5 years of experience in configuring, monitoring, maintaining and troubleshooting enterprise level network.
* Solid hands-on experience with **Cisco ASA** Firewalls (5510,5520,5512-X,5515-X), **Palo Alto Networks** Firewalls (PA-220,820,3250,5260, VM-50,100), **Juniper SRX** and **Panorama** configurations.
* Hands on experience on evaluation, testing, configuration and implementation of Palo Alto firewall security
* Experienced on configuring features such as **URL filtering, Threat prevention, Data filtering, IPsec Tunnels, SSL-VPN and Zone Protection on Palo-Alto Firewalls** and experienced configuring Global Protect Portal for providing remote access to users by establishing IPSec Tunnel.
* Strong knowledge of **Intrusion Detection System (IDS), Intrusion Prevention System (IPS), Data Loss Prevention (DLP), DDoS attacks and Kill Chain mitigation techniques**
* Expertise in performing migration from **Cisco ASA to Palo Alto Firewalls** and checkpoint to Palo Alto Firewalls globally
* Experience with F5 load balancers - **LTM, GTM** series like 6800 and 8900 for the corporate applications.
* Configured and implemented **F5 BIG-IP LTM load balancers** to maintain global and local traffic.
* Created and managed **pools and clusters** in F5 BIG-IP GTM load balancers across multiple data centres
* Installed and maintained **Aruba switches Aruba Wireless AP’s and Aruba Virtual Controllers**.
* Monitoring wireless services WAP’s and WLC’s using **Airwave**, **Air Magnet, ClearPass**, etc.,
* Installed **ClearPass policy manager and ClearPass guest access manager** to authenticate wireless users.
* In-depth knowledge and hands-on experience on **IP Addressing, Subnetting, ping and traceroute concepts**.
* Substantial working experience on **Cisco Nexus switches** (2000, 3000, 5000, and 7000 series) **Cisco** **ASR & ISR Routers**, **Juniper, Alcatel and Aruba** Platforms.
* Strong experience in upgrading **Cisco IOS** and **Cisco Nexus NX-OS** in the Datacenters. Also experienced in working with **Arista EOS and Juniper JUNOS**
* Expertise in implementing **IP Address management** and **Subnetting (FLSM, VLSM)** and **NAT** concepts on various Network architectural designs
* Domain Knowledge of various streams like managed services, Data Centres, **Disaster Recovery**, Remote infrastructure monitoring and management, Network and Security, Internet access, MPLS, Cloud and **Data Center Virtualization (Cisco ACI, Arista)**
* Expertise in Configuring and troubleshooting of **STP, RSTP, PVST, RPVST, along with BPDU Guard and BPDU filtering** and **Port Fast** features on Switches.
* Expert level knowledge of implementing and troubleshooting complex layer 2 technologies such as **VLAN’s, WAN, SDWAN, Ethernet, MPLS** and layer 3 routing issues like **BGP, OSPF, EIGRP also Assisting on VOIP issues.**
* Experience with **Cisco SD-WAN** Components & Technologies: vEdge, vSmart, vManage and vBond, Zero Touch Provisioning **(ZTP)** and Plug and play **(PNP).**
* Experienced working on monitoring tools such has, **HP NAS, HP NNMI, LASER, SOLARWINDS, NET PROFILER, BIGPANDA, Thousand Eyes, Cricket**
* Responsible for Documenting workflow process, **Visio drawings** and implementing changes following the change management guidelines.
* Experience in handling and resolving tickets and strong hands-on experience on ticketing tools such as **BMC remedy, Service now, and OPS console.**
* Proficient user of **VMWare ESXi, Cisco Packet Tracer, Wireshark, GNS3**.

**Technical Skills**

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| **Firewalls** | Palo Alto (3060, 5060, 5250), Checkpoint (R77), Cisco ASA (5500 series), Juniper SRX |
| **Network Security** | ACL’s, MPF, IPSEC, VPN, Port Security, AAA and IDS/IPS. |
| **Routing** | OSPF, EIGRP, BGP (iBGP and eBGP), Static |
| **Routers** | Cisco 76XX,72XX series, Juniper M320, T640, SRX series |
| **Load Balancer** | F5 Networks (Big-IP)  |
| **Switching** | VLAN, VTP, STP, PVST+, RPVST+, MSTP, ISL, 802.1q, Inter VLAN routing; Multi-Layer Switch, Multicast operations, Layer 3 Switches, Ether channels, Transparent Bridging |
| **Switches** | Cisco, Juniper, Alcatel, Nexus. Aruba |
| **Wireless Tools** | AirWa Airwave Glass, WLC’s, Meraki, ClearPass, AirMagnet, AirWatch |
| **AAA Architecture** | RADIUS, TACACS+ |
| **LAN** | Ethernet Fast Ethernet, Gigabit Ethernet. |
| **WAN** | Frame Relay, MPLS, T1/T3, SD-WAN |
| **Ticketing Tools** | Service Now, Remedy, Ops Console |
| **Network Monitoring**  | Wireshark, SolarWinds, Laser, HP NNMi, Laser, Thousand Eyes, Cricket, Whatsup Gold, HP NAS, Big panda, vManage |
| **Documentation Tools** | Microsoft Visio |
| **Remote Access Tools** | Secure CRT, Putty, SSH |
| **Operating Systems** | Windows, Linux (RHEL 7) and Unix |

 **Education**

***Master of Science in Electrical Engineering*** / University of Missouri–Kansas City

***Bachelor of Technology in Electronics and Communications Engineering*** / Vizag Institute of Technology

 **Certifications**

Cisco Certified Network Associate (**CCNA**)

Cisco Certified Network Professional (**CCNP**)

 **Professional Experience**

**Client: Lumen, Remote**

**Position: Network Security Engineer May 2020 - Present**

* Experience on working with **Palo Alto Next Generation firewall** (PA-5250, PA-4020) with security, networking and management features such as Security Policies, URL filtering, Anti-Virus, IPsec VPN, SSL-VPN, Log Management, User-ID, App-ID etc.
* Worked on Palo Alto Firewall using centralized management feature called **PANORAMA** for logging, creating reports and managing different firewall devices.
* Worked on configuring **Security profiles** such as Threat prevention, Anti-Virus, Anti-Spyware, File Blocking, Wildfire, Etc.,
* Expert level knowledge on configuring and troubleshooting **IPsec VPN and SSL VPN** tunnels for connectivity between site-site and remote location users by using IKE and PKI.
* Experience on configuring and troubleshooting **HA, Zones, VLANs, Routing, and NAT** on firewalls as per the design requirements.
* Implemented client based **Global Protect VPN** in Palo Alto Network Firewall with auto connect to location based optimized gateways.
* Configured authentication Protocols **(Radius and TACACS+)** for cisco ASA firewalls and Palo Alto Firewalls.
* Configured **USER-ID** features on Palo Alto firewalls to facilitate Username to IP address mapping and **APP-ID** to enable Application Based traffic labelling.
* Experience with CSM, **F5 (LTM)** Load balancers to provide efficient switching and routing for local and global traffic.
* In-depth knowledge and experience in **LAN and WAN** technologies including MPLS, Metro Ethernet, T1/T3, SD-WAN, DIA, Point to Point (Dark Fiber)
* Designing, integrating and troubleshooting, monitoring **layer 2 & layer 3 pro**tocols i.e., VLAN, STP, VPC, VPN, DMVPN, MPLS L3VPN, VPLS and OSPF, BGP, EIGRP, QOS
* Expertise in maintenance of layer 2 switching tasks which advocate VLAN, VTP, STP, RSTP, PVST, RPVST, configuring of ether channel with **LACP and PAGP** along with troubleshooting of inter-VLAN routing.
* Worked with the team in designing, implementing and deploying **SD-WAN** infrastructure to provide secure, Carrier independent WAN connectivity across Enterprise Network
* Implemented **Cisco Viptela SDWAN /Meraki** solutions in client’s global cloud network
* Responsible for survey and maintenance of LAN/WAN, and **802.11 (a, b, g, n, ac)** wireless networks.
* Installed **Cisco Wireless LAN** Controllers (WLC) with active/standby state controlling more than 100 Access Points (AP’s)
* Installed and maintained Aruba Wireless **APs 220, 370 and Aruba 7200, 3600** series wireless controllers, **Airwave** Wireless Network Management System and **ClearPass** servers.
* Hands on experience with monitoring tools like **SolarWinds**, and Packet capture tools like **Wireshark** and checking BGP logs information using **SPLUNK.**
* Providing pro-active and on-call support **24x7** for daily operations, outages and critical network issues. Weekend work for changes/upgrades that impact the production.

**Client: United Airlines, Chicago**

**Position: Network Engineer III December 2019 – April 2020**

* Responsible for the **GUI PANORAMA** management for logging sessions, creating reports and managing different firewall devices.
* Hands-on Experience with Migrations from **Cisco ASA to Palo Alto Firewalls**
* Implemented **APP-ID**, which defines custom applications and comprehensive set of predefined applications to be applied to firewall.
* Migrated **Cisco ASA Firewalls to Palo Alto Firewalls** and Installed Palo Alto PA-5250,5060,3060 firewalls to protect Data Center and maintained IPsec and SSL VPNs on Palo Alto Firewalls.
* Profound knowledge in **mitigation of** **DDoS** attacks on **Cisco ASA** and **Palo Alto Firewalls.**
* Configuration of firewall (Palo Alto) security policies, **Global Protect VPN, URL filtering, Data filtering** and file blocking.
* Exposure to **WILDFIRE** feature of Palo Alto and Assisting Customer with leveraging new features on Palo Alto devices.
* Responsible for successful migration of **Aruba 200 to 300** series Network Refreshment
* Expertise in configuring and maintaining Wireless Infrastructure such as **Cisco Meraki (MS225, MS250, MS350),** and **Wireless Controllers (8500, 5500, 5700), WLANs, etc**.
* Experienced in testing rules using Browser (IE), HTTP watch on **f5 BIG-IP load balancers**.
* Managed **f5 BIG-IP LTM** appliances to load balance server traffic in critical serval access
* Responsible for maintaining of **VLANs, Spanning tree, VTP** of the switched multi-layer with catalyst switches
* Configured **VLANs with 802.1q tagging,** Configured Trunk groups, ether channels, and Spanning tree for creating Access/distribution and core layer switching architecture.
* Mitigated STP attacks by enabling **Root Guards**, **BPDU Guards and BPDU filters** as required.
* Hands-on experience on configuration, installation, monitoring, troubleshooting, and maintenance of Juniper, Cisco router and switches on network platforms like **MPLS, Point-Point, Ethernet, VPN’s** and resolving layer issues like **OSPF and BGP**.
* Hands on experience with Layer2 and Layer3 IP Routing & Switching, IP Multicast, PIM design solutions including technologies like VLANs, STP, VSS, **HSRP, VRRP**, **GLBP**LACP, VPC, OSPF, EIGRP, RIP, BGP, MPLS, IPVPN, VPLS, VPRN etc.,
* Diagnose and troubleshooting wireless, security, switching and other network related issues reported by Meraki and **SD-WAN** Customers.
* Proficient user of Monitoring tools like, **Bigpanda, HP NNMi, HP NAS, Thousand eyes**, wireless monitoring like **Aruba Airwave Glass**, and trouble ticketing tools like **Service Now, Ops Console**.

**Client: CenturyLink, Kansas City**

**Position: Network Operations Engineer July 2017– November 2019**

* Configure / Troubleshoot Cisco and Aruba switches for LAN /WAN connectivity
* Experience with **F5 GTM/LTM** installation and assist in configuration of F5 APM LTM modules for BIG IP networking equipment.
* Configured & troubleshoot Virtual Servers, I Nodes, Pools, and customized I Rules on BIG-IP F5 LTM Load balancers for traffic management.
* Designing and Implementation of (LAN) **VLANs, VTP, Spanning Tree (STP)**, Trunking and Ether channel.
* Configuring Vlan's, VTP's, enabling trunks with 802.1q tagging between switches in the access layer.
* Involved in troubleshooting of **DNS, DHCP**, and other IP conflict problems and applied QoS for the bandwidth delay.
* Assisted in MPLS migrations, implemented a backup for the existing WAN connection using **site-to-site IP sec VPN tunnels.**
* Configuring and troubleshooting **SDWAN** Architecture, Administered and provision SDWAN network via vManage, implement routing policies via vSmart controller into the vEdge route
* Responsible for Documenting workflow process, **Visio drawings** and implementing changes following the change management guidelines.
* Troubleshooting and monitored routing protocols such **RIP, OSPF, EIGRP & BGP**.
* Working with ISPs such as **Verizon, AT&T, Sprint, Tata Communications** to restore services and to schedule configuration and management changes if needed.
* Maintaining, configuring and troubleshooting and upgrading the wireless network, **WAP’s and WLC’s** using Air magnet and Aruba Airwave Glass.
* Performing equipment and network equipment restoration of **Ethernet & IP, Frame Relay, MPLS systems using network monitoring and testing tools**
* Performing various layer2/3 testing on circuit down, throughput, packet loss, latency, routing and jitter issues on Juniper, **Alcatel Cisco and ADTRAN platforms**
* Hands on experience troubleshooting network traffic using tools like **ping, traceroute, Wireshark, Solar Winds and TCP dump**

**Client: UM System, Kansas City**

**Position: IT Support Engineer March 2016 – June 2017**

* Responsible for managing and maintaining Datacenter, DR and network Infrastructure. Respond to outages, user problems by triaging and troubleshooting, plan for Device & OS upgrades.
* Have implemented **OSPF** within the four areas I administer. Setup Datacenter and DR in area 0 and other regions in different areas.
* Deploying and decommission of VLANs on core **ASR 9K, Nexus 9K, 7K, 5K** and its downstream devices.
* Worked on configuring **BGP, OSPF, EIGRP** protocols on Cisco (7200, 3800), Juniper (MX240, MX280) series Routers, also enabled **HSRP and VRRP** protocols for redundancy.
* Created and managed pools and clusters in **F5 BIG-IP GTM** load balancers across multiple data centers
* Involved in migration from Site-to-site **GRE** tunnels network to MPLS-based VPN for customer's WAN infrastructure.
* Worked on configuring BGP, OSPF, EIGRP protocols on Cisco (7200, 3800), Juniper (MX240, MX280) series Routers, also enabled HSRP and VRRP protocols for redundancy.
* Actively involved in Switching Technology and Administration including creating and managing VLANs, **Port security- 802.1x, Trucking 802.1Q, RPVST+**, Inter-VLAN routing, and LAN security on Cisco Catalyst Switches
* Review network change settings to make sure access interface settings and appropriate uplink to help QoS and VoIP
* Expertise in working with cloud based wireless technologies like **802.11a/n/g, CISCO Meraki**.
* Hands-On experience in configuration, management, monitoring and support of wireless devices like Cisco Meraki, Aruba Wireless.

**Client: Divis Laboratories**

**Position: Network Engineer June 2014 – November 2015**

* Configured & maintained **LAN, WAN, VPN, and WLAN** on Cisco Routers.
* Dealt with the escalation problems from Level1, Level 2 & Level 3 for routing, switching and WAN connectivity issues using ticketing system **Remedy**.
* Hands-on experience with **WAN (ATM/Frame Relay), Routers, Switches, TCP and IP addressing**.
* Troubleshooting complex networks **layer 1, 2 to layer 3** (routing with MPLS, BGP, EIGRP, OSPF protocols) technical issues.
* Performing various layer2/3 testing on circuit down, throughput, packet loss, latency, routing issues intrusively using **juniper, Cisco and Alcatel** platforms
* Involved in L2/L3 Switching Technology Administration including creating and managing VLANs, Port security, **Trunking, STP, Inter-Vlan routing**, LAN security.
* Experienced in multi-tasking, provided support to customers by contacting the **Local Exchange Carrier** and working on the trouble tickets at the same time.
* Acted as the level 2 point of **escalation** for immediate assistance on the trouble customer is facing.
* Designing, configuring and provided operational support of outing and switching platforms like **BGP, OSPF, VLAN’s, QOS, and STP issues.**
* Making necessary changes to **QOS** and adding burst limit and buffer to the queue to eliminate VoIP related issues.
* Configured, Adjusted and changed the **QOS** settings for Alcatel devices in order to prioritize the voice traffic and to eliminate the jitter or latency on the circuit.
* Adjusted or added Buffer and Burst limit to the **Queuing policy** to avoid incrementing drops and for the better performance of the circuit regarding speed and packet loss issues.
* Responsible to meet the **SLA’s** in resolving tickets for both incident and Change management scenarios and providing timely updates on the fix action of the trouble.
* Supported the day-to-day operations of our global IT infrastructure with routing, load balancing, and firewall, wireless network issues in support of Service Level Agreements with our clients.

**Client: Bharath Sanchar Nigam Limited, Vizag**

**Position: Jr Network Engineer June 2013 – May 2014**

* Configuring, Maintaining and troubleshooting of routing protocols such as OSPF, EIGRP and BGP Administration and diagnostics of **LAN and WAN** with in-depth knowledge of **TCP/IP**, and associates network protocols and service.
* Demonstrated experience in managing enterprise network systems, **DNS, DHCP, TCP/IP**.
* Knowledge of implementing and troubleshooting complex layer 2 technologies such as **VLAN Trunks, VTP Ether channel, STP.**
* Involved in Local Area Network (LAN) implementation, troubleshooting, and maintenance as per company’s requirements.
* Design, installation and troubleshooting networks with hand-on experience on **OSPF, BGP, VPLS, Multicast, VPN, MPLS**
* Troubleshoot and fix any backup and monitoring systems related issues in conjunction with Systems team and external vendors
* Involved in complete **LAN, WAN** development (including IP address planning, designing, installation, configuration, testing, and maintenance)
* Implementation of Static Route, Dynamic routing, **DHCP, DNS, FTP, TFTP**
* Successfully handled service request tickets generated be by the helpdesk and by clients requesting troubleshooting, maintenance, changes, upgrades and provided support needed