 **Yogesh**

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**Ph. No: 510-458-8146**  
**Sr. Network Engineer**

**PROFESSIONAL SUMMARY:**

**Summary:**

* **Cisco Certified Network Engineer** with **8 years** of experience in IP network design, Network integration, Routing, Switching, Data center, Firewall technologies, Deployment and troubleshooting of complex network systems.
* Strong hands-on experience on **Cisco Catalyst** (series 3850, 3560, 4500, 6500, 6880, 9300, 9400, 9500), **Cisco Nexus** (series 2K, 5K, 7K, 9K), **Cisco Routers** (series 4300, 4400, 4500, 7300, 4000, 3800, ASR 1000, 9000), **WAP**s**, WLC**s (5505,5508,5520) **ASA Firewall** (5505/5545-X), **Load Balancers** (Citrix NetScaler, F5 BIG-IP LTM, GTM), **Palo Alto Networks Firewalls** (PA-820, series PA-3K, 5K)**.**
* Proficient in monitoring and managing networks using **SolarWinds**, **NetFlow** Traffic Analyzer**, Network Performance Monitor** (NPM), **Network Configuration Manager** (NCM); **Cisco Prime, Security Device Manager** (SDM), **Cisco Works, Infoblox** and **Wireshark**
* Extensive experience in implementing, managing and troubleshooting **IP addressing and VLSM subnetting**, **NAT,** Routing protocols **(RIP, EIGRP, OSPF, BGP)**, First Hop redundancy protocols (**HSRP, GLBP and VRRP**) on Layer 3; **VLANs,** Standard and Extended **ACLs,** **VTP**, **WLANs**, **Ether Channel,** **STP, RSTP, and MST** on Layer 2 technologies.
* Worked with **Cisco IOS-XR** on the ASR9000 devices for **MPLS** deployments in data center.
* Experience with converting Cisco ACE load balancer to **F5** LTM load Balancer in **data center** environment.
* Expertise in installing, configuring and troubleshooting **Juniper Switches** (series EX3300, EX4200, EX4600), **Juniper Routers** (series J, M and T) and **Juniper** series **SRX** Firewalls
* In-Depth Knowledge and experience of various wireless **802.11** standards, **controllers, Access Points, Wi-Fi analytics** from various vendors **(Cisco Meraki, HPE /Aruba)**
* Troubleshoot and Worked with Security issues related to **Cisco ASR 9K**, **Checkpoint, IDS/IPS and Juniper ASA firewalls.**
* Worked on **Checkpoint Firewalls**, create the **policies** and **push the policies** on checkpoint and as well as other firewalls like **Cisco** **ASA** and Fortinet **firewalls**.
* Ability to Install, Manage & Troubleshoot Large Networks & Systems Administration on **Windows & Linux platforms in Development, Lab & Production Environments.**
* Worked extensively in Configuring, Monitoring and Troubleshooting **Cisco's ASA 5500/Security appliance, Failover DMZ zoning** & configuring **VLANs/routing/NAT** with the firewalls as per the design
* Worked on **MPLS** while ensuring secure networking, improving the network performance by prioritizing network traffic and allocating bandwidth according to usage and service requirements.
* Knowledge of **WAN Optimization** Technology, **Riverbed, Cascade Flow monitor**.
* Design, configuration, and maintenance of **Cisco** and **Aruba** **wireless** hardware.
* Provided support that included resolving day-to-day operational issues with tickets generated by a Service Now/Remedy.
* Experience working with Multicast **configuration**. Configuring **PIM Neighbors, Multicast peers, Anycast RP address, Sparse/Dense Mode, IGMP.**
* Good understanding of **SNMP, IP SLA** and Network Monitoring with experience in tools like **SolarWinds, Infoblox, Cisco Prime.**
* Perform design, implementation, and support of enterprise network technologies like **MPLS WAN** routing,   
  data center switching, **Cisco ASA** and **Palo Alto security** appliances.
* Played a principle role in configuring and implementing composite Network models consisting of **Cisco 7300**, **4000, 3800, ASR 9000** series routers and **Cisco catalyst 3850, 3560, 4500, 6500, 6880** series switches
* Designed and Implemented plan for migration from existing Catalyst switches to Nexus and configured NX-OS Virtual Port Channels, Nexus port profiles, **Nexus VPC peer links** on Nexus 5k, 7k and 9K.
* Working experience with offshore teams, NOC and SOC to resolve elevated issues immediately.
* Experience in preparing Technical Documentation and presentations using **Microsoft VISIO/Office**.
* Strong in **SD-WAN and DMVPN** experience.
* Excellent customer management/resolution, problem solving, debugging skills and capable of quick learning, effectively analyze results, and implement and delivering solutions as an individual and as part of a team.

**Technical Skills:**

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| **Cisco Routers** | **Cisco ASR9k, 2500, 3600, 3700, 7200, ASR routers ASR 1k (1001, 1004, 106, 1013), ISR 4k, CRS-1** |
| **Cisco Catalyst Switches** | **Catalyst 6500, 4000, 3550, 2900** |
| **Nexus Switches** | **Cisco Catalyst: 6506, 6509, 4928, 4948, 4507,4510, 3750,3560, and 2960 Nexus 5548, 5596, 6000, 7009, 7018** |
| **IP Routing Protocols** | **RIP v1/v2, OSPF, EIGRP, BGP, MPLS, VPLS, VTP, FTP, DNS, IPv4, IPv6, VSS, HSRP, ESRP, VRRP, ACL, NAT/PAT, TCP/IP, LACP, 802.1Q, ISL, SNMP, GLBP.** |
| **Firewalls** | **Palo-Alto, Cisco ASA 5500,** |
| **Load Balancing** | **Cisco ACE 4700 series, F5 LTM, F5 GTM** |
| **Firewalls** | **Palo-Alto, Juniper, Cisco ASA 5500, Cisco PIX 500, Check Point r60, checkpoint r65, Bluecoat** |
| **IPSEC/VPN Configuration** | **PIX to Router, Router to Router, PIX to VPN wildcard client, Router to VPN wildcard client, PIX to PIX, fully meshed configurations** |
| **Wireless Technology** | **Cisco AP, LWAP, Access Points, WLC, Aruba** |
| **VoIP Devices** | **Cisco IP phones, Cisco 5500, 6500 series controller, Avaya 3000, 6000, 7200 series Controllers** |
| **Ticketing software** | **Connect Wise, Remedy system, service-now.** |
| **Networking monitoring tools** | **Cisco Works, Cisco Prime 3.0, Solar winds, Riverbed, VM ware,**  **Net Flow, Wireshark, Packet Tracer, GNS3, Boson Netsim, TCP dumps, INFOBLOX, QIP, VISIO, Citrix, and IXIA, Netmri** |
| **LAN technology** | **Ethernet, Fast Ethernet, Gigabit Ethernet, 10Gigabit, Ethernet, Port Channel, VLANS, VTP, STP, RSTP, 802.1.Q** |
| **Operating Systems** | **Windows Server/8/7/Vista/XP, Nexus OS, Cisco IOS-XR, Linux, Unix (Mac OS)** |
| **Microsoft Office** | **Visio, Excel, PowerPoint, Word** |

**Professional Experience:**

**Network engineer** |**Atlantic Health Systems, Morristown, NJ: Feb 2020 – Present**

* Demonstrated proficiency in network administration in large data center environment – DNS/DHCP, Firewalls (Cisco Systems, Juniper Networks), IDS/IPS, IPSEC VPN).
* Migrating **VPN and MPLS remote sites to SD-WAN (Meraki).**
* Experience on **F5 load balancer** to maintain balance in the network system with application specific usage. Worked on **F5 BIG-IP LTM 6900**, **configured profiles**, provided and ensured high availability
* Design WAN solution using the **AutoVPN** technology with **Cisco Meraki MX** security appliances including DC to DC failover and **SD-WAN** capabilities.
* Familiarity with virtual computing environments, such as VMware, **KVM**, Kubernetes, Docker, etc.
* Used VMware vSphere CLI, and VMware vSphere PowerCLI to script and automate builds and changes to environment.
* Install and maintain the **wireless infrastructure** (**Aruba**, **HP controllers**) **Configuration of SSID**, **VLAN binding, security management**.
* Configured Cisco voice gateways, and troubleshot complex call routing issues and equipment upgrades.
* Design, configuration, and maintenance of **Cisco** and **Aruba** **wireless** hardware.
* system image creation for non-standard desktop, laptop and **KVM** hardware located in the datacenter / lab used in the Lab Compute virtual environment.
* Administered Novell DirXML/Identity management for NDS/Active Directory Sync.
* Configured Wireless networks on **WLC 5508, 5520 series Wireless LAN Controller and** management using **Cisco Prime Infrastructure**.
* **SNMP, DDI, NTP, TACAC+**, and Radius architecture and implementation, with multiple SNMP vendor solutions, such as SolarWinds.
* Knowledge of Intrusion Detection, DMZ, encryption, IPsec, proxy services, Site to Site VPN tunnels, MPLS/VPN, SSL/VPN
* Knowledge of network protocols (CoS, PoE, NTP, DNS, DHCP, SMTP,VPC), network management protocols (**CDP, TFTP, SNMP**) and security protocols (SSH, HTTPS/SSL, AAA, IPSec)
* Manage change requests Palo Alto firewalls/router access-lists for internal and external applications.
* Using Service Now for ITIL Based Service Management. (Incidents, Problem and Change Management).
* Troubleshooting the issues with connectivity within the server zones of the Data center (between application servers, database and web servers).
* Install and maintain the **wireless infrastructure** (**Aruba**, **HP controllers**) **Configuration of SSID**, **VLAN binding, security management**.
* Performed image upgrade and downgrade on 7000, 7200 series **Aruba Controllers** to validate the proper functionality of controllers.
* Configure ASA Packet Captures with CLI and ASDM
* Implement advanced Palo Alto Firewall features like URL filtering, User-ID, App-ID, Content-ID on both inbound and outbound traffic.
* Hands on experience with BIG-IP environment utilizing two or more of the following: GTM, LTM, APM or ASM.
* Dealt with creating VIP pools, nodes and created custom I Rules for the virtual servers like cookie persistency and redirection of URL on F5 ASM cookies issues and configures ASM policies.
* Enable file forwarding to Wildfire cloud through Content-ID implementation to identify new threats.
* Leveraged Palo Alto Network’s Wildfire inspection engine to prevent Zero-Day attacks.
* Blocking all the firewall ports that are not used for the legitimate business case by analyzing both user and server inbound and outbound traffic of the DMZ firewalls.
* Integrated multiple Nexus 9k switches to Nexus Fabric manager (GUI) a centralized management center at Headquarters to **configure Overlay VX-LAN broadcast domains, VRFs,** VPCs.

**Network Engineer** | **Barclaycard US, Whippany, NJ: Oct 2018 – Jan 2020**

* Integration and investigating of non-conventional data correspondence frameworks (for example SCADA, Metasys, IoT, and so on.) into Laboratory infrastructure.
* Worked on Infoblox for creating the DNS entries, A records and CNAMEs.
* **DNS Updates**/Removals/New Adds via Infoblox DNS Appliance.
* Working on patches and packages installation on Linux/Unix Environment.
* Responsible for all aspects of **TCP/IP** functionality across multiple **enterprise environments**.
* Troubleshot issues and outages on **Trunks and Router** interfaces and **firewalls extensively**.
* Planned resources and presented project status to higher management.
* Configured and played with various **BGP attributes** such as **Local Pref, MED, Extended Communities**.
* Designed and implemented **DMZ for Web servers, Mail servers & FTP Servers using Cisco ASA5500 Firewalls**.
* To secure configurations of load balancing in **F5, SSL/VPN connections**, Troubleshooting CISCO ASA firewalls, and related network security measures.
* Maintained Meraki Wireless dashboard by adding and claiming AP, Monitoring, Troubleshooting user connectivity to Internet service.
* Wrote **IOS and CAT OS** upgrade procedures and **Pre/Post** checks for customer production upgrades..
* Configuring **VLANS, VTP’s**, enabling trunks between **switches.**
* Configured **VLANs with 802.1q** tagging. Configured **Trunk groups**, **ether channels**, and **Spanning tree** for creating **Access/distribution and core** **layer switching** architecture.
* Assisted in network engineering efforts consistent with the infrastructure of an **Internet Service Provider** and support of such network services. Helped in designing and implementation of **VLAN** for the new users.
* Performing network **monitoring, providing** analysis using various tools like **Wire-Shark**, **Solar-winds** etc.
* Designed and implemented NAT overload/PAT on **Cisco ASA 5585** and 5520 Firewall to provide address translation between private addresses of the network and public address over the internet.
* Experience with convert Checkpoint VPN rules over to the **Cisco ASA** solution. Migration with both Checkpoint and **Cisco ASA** VPN experience.
* Experience with Cisco, Linux and Microsoft products as well as experience deploying, configuring and operating on Solar Winds EOC.
* Investigate files in FireEye AX and Kali Linux Sandbox tested and evaluated include Sentinel OneEndpoint Protection, Fortinet Forti Sandbox, Fortinet Forti Mail, Dark Trace Antigena
* Managed firewall using FortiGate to allow or block IPs, created policies added different interfaces andVLANs. installations, design, and implementation of VPN, Fortinet and VOIP
* Configure Virtual Servers, **Nodes, and load balancing Pools** in **F5 BigIP LTM**.
* Server load-balancing utilizing F5 LTM-BigIP, including, **AFM, APM** and **ASM** modules
* Configured and deployed **BIG-IP LTM** 6900 for providing application **redundancy and load balancing**.
* Configured Session based persistence and **configuring iRules** for specific redirection purpose and **iRules** for persistence.
* Firewall policy provisioning on Fortinet FortiGate appliances using FortiManager.
* Working on patches and packages installation on Linux/Unix Environment.Built over 20 Clusters, over 200 ESX hosts, built 2 Virtual Center Servers including VUM, NFS and SAN storage.
* Maintain and patch "VUM" all 3.5 and 4.0 infrastructure of over 30 vCenter servers, over 1500 ESX hosts.
* Configure, test and deploy Cisco Meraki devices to remote locations.
* Configured Meraki Auto RF: Wi-Fi Channel and Power Management
* Created **MOPS (Method of procedures)** and sought the approval of peers to **perform configuration changes.**
* Creation of **change tickets on Jira platform** and implement according to the customer requirements.
* Designed and configured Cisco products CUCM, CUC, UCCX, Meeting place and Supervisor Desktop.
* Responsible for design, propose and Deployment of CUCM, Voice gateway and UCCX
* Responsible for the analysis/troubleshooting of large scale enterprise VoIP networks.
* Designed and Implimented Novell SUSE OES Linux Enterprise server to upgrade from pure Netware environment.
* Migrated Wireless LAN Controllers to new Meraki security appliances and wireless access points..
* Configure Cisco Meraki Logging and Reporting
* Administered User accounts in UCCX by providing adding users accounts such as Admin, Supervisor and Agent.
* Updated user assigned skills and competence level with UCCX
* Configured Fortinet FortiGate Appliances
* Cisco ISE to provide authentication and set up radius server and used for applying rules in TACAS.
* Cisco ISE to creating design documentation, building ISE rules, implementing ISE solutions across a variety of networking and wireless environments.
* Integrating ISE with external identity stores such as Windows AD, RSA SecurID
* Maintained master images in VM ware Horizon
* Created user accounts in VM ware Horizon.
* Planned, installed, and administered HP Networking SAN storage environment consisting of EVA3XXX, EVA4XXX, EVA8XXX, HP 3Par T800, and several Brocade SAN switches (Brocode 4/256 Directors and Silkworm edge switches
* Upgraded existing SAN consisted of 10 storage arrays, ~400 TB of storage, 2 core and 8 edge switches, 100+ hosts (Windows, HP-UX, ESX, RedHat Linux)
* Designed and Installed Microsoft Active directory on Windows server 2008, 2012 and 2016.
* Experience in Syncing objects user, groups, work stations from Active directory to Azuere Active directory.

**Network Engineer | Citi Group, India                                                                        July 2015 to Sep 2018**

* Troubleshot **TCP/IP** problems and connectivity issues in multi-protocol Ethernet environment.
* Configured **VLAN**, Spanning tree, **VSTP, SNMP** on Cisco Catalyst Switch 6500, Juniper EX series switches and  **RIP, OSPF and Static routing** on **Cisco** 7600 and **Juniper** MX 240 series Routers.
* Implemented & Troubleshot **T1, MUXES, CSU/DSU** and data circuits.
* Configured redundant interfaces, DHCP server, DHCP relay, ntp settings, and sub interfaces on firewalls.
* Perform advanced troubleshooting using Packet tracer and tcp dump on firewalls.
* Configured and maintained **ASA** firewall systems (Firewall Administration, Rule Analysis, Rule Modification).
* **Configured IPSLA monitor to track different IP route when disaster occurs.**
* Provided Network Security Architecture and Operations support services for Windows 2008 based web, application and **database servers**.
* Configured and maintained **ASA** firewall systems (Firewall Administration, Rule Analysis, Rule Modification).
* Configured ACLs in **Cisco 5585 ASA** firewall for Internet Access requests for servers, Protocol Handling, Object Grouping and NAT Control using **Object NAT**.
* Implemented network security for remote access by configuring **site to site** and **client’s to site** VPN tunnels through multiple Cisco **VPN concentrators** and **Checkpoint** firewalls and maintained access policies for remote users.
* Worked on **checkpoint UTM1, VPN1** and activating blade licenses to be used as Intrusion prevention and antivirus appliance.
* Worked with **Cisco IOS-XR** on the ASR9000 devices for **MPLS** deployments in data center.
* Experience with converting Cisco ACE load balancer to **F5** LTM load Balancer in **data center** environment.
* Configured and deployed **BIG-IPLTM** 8900 for providing application redundancy and load balancing.
* **Configured IPSLA monitor to track different IP route when disaster occurs.**
* Provided Network Security Architecture and Operations support services for Windows 2008 based web, application and **database servers**.
* Configured Cisco IOS Feature Set, NAT and Simple Network Management Protocol (SNMP) for Network Security implementation.
* Monitored network performance to improve the backup strategy using **Solar winds**.
* Provided on call supporting **24/7NOC** (Network Operations Center).
* Communicated with different with different customers, IT teams in gathering the details for the project.

**Environment: C**isco Routers 7600, 7200, 3800, 3850, Cisco Catalyst Switches 6500, 5000, 3500, 2950, T1 Controllers, DS3 Lines (T3 Lines), F5 Load Balancer, Wireless LAN controller, Wireless Cisco 3702.

**CERTIFICATION:**

* Cisco Certified Network Associate (CCNA)
* Cisco certified Network Professional (CCNP)
* Comptia A+