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**Professional Summary:**

* Network and systems engineer with over 10 years of experience in designing and managing network security and server infrastructure.
* Worked in medium to large-scale enterprise and data center environments.
* Served as Project Lead, Senior Network Engineer, Operations, and Deployment Engineer for clients in finance, healthcare, and cloud services.
* Expertise in switching, routing, network security, application delivery, wireless, VoIP, virtualization, and SDN.

**Career Highlights:**

* Extensive experience with Cisco Catalyst Series 3750, 4500, 4900, 6500, and Nexus 2000, 5000, 6000, and 7000 series switches.
* Proficient in Layer 3 routing and Layer 2 switching, including Nexus 7K, 5K, 2K series and Cisco router models such as 7200, 3800, 3600, 2800, 2600, 2500, and 1800 series.
* Skilled in implementing and troubleshooting VLANs, trunks, VTP, EtherChannel, STP, RSTP, and MST; implemented HSRP and VRRP for gateway redundancy.
* Troubleshot DNS, DHCP, and IP conflict issues.
* Advanced knowledge in the design, installation, configuration, maintenance, and administration of Check Point Firewalls up to R77.
* Installed and configured Arista 7250QX series switches, including LACP and OSPF protocols, and monitored traffic patterns using OpenFlow.
* Experience with Arista CloudVision for POC and data center spine-leaf architecture, including EVPN, VXLAN, VTEPS, bridge domains, and MP-BGP.
* Managed and monitored Check Point and Palo Alto firewalls, including rule creation and traffic monitoring.
* Expertise with Juniper and Cisco ASA firewall administration for global networks.
* Configured and managed F5 LTM and GTM series for corporate applications.
* Administered Bluecoat Proxy for content filtering and VPN client access, deployed and managed Bluecoat proxies in forward and reverse proxy scenarios.
* Designed, implemented, and troubleshot Check Point, Cisco PIX, NetScreen Firewalls, Check Point Provider-1/VSX, Nokia VPN, Palo Alto IDS, Foundry/F5 Load Balancers, and Blue Coat Packet Shaper systems.
* Expertise in network protocols, network security, and firewall technologies including ASA 5500, FortiGate, Palo Alto, and network security features.
* Experienced with enterprise routing protocols (RIP, EIGRP, OSPF, BGP) and security policies (Cryptography, ACL, ASDM, IPsec VPN, AAA Security).
* Operated and maintained Aruba ClearPass Policy Server and AirWave Wireless IDS, and designed/deployed IP and wireless networks.
* Experience with AWS Direct Connect, Amazon S3, EC2, VPC, and SD-WAN (Versa & Viptela) technologies.
* Proficient in network management tools like Wireshark, HP-OpenView, RSA Envision, and CiscoWorks.
* Basic understanding and implementation of Python and Ansible for network automation tasks.

**TECHNICAL SKILLS:**

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| --- | --- |
| Cisco Platforms | Nexus 7K, 5K, 2K & 1K, Cisco routers (7600,7200, 3900, 3600, 2800, 2600, 2500, 1800 series) & Cisco Catalyst switches (6500, 4900, 3750, 3500, 4500, 2900 series), ASR1001, 2900, 3900, 7200, 7600 & ASR9000, CSR/ASR, IOS-XR |
| Juniper Platforms | SRX, MX, EX Series Routers and Switches |
| Networking Concepts | Access-lists, Routing, Switching, Subnetting, Designing, CSU/DSU, IPSec, VLAN, VPN, WEP, WAP, MPLS, VoIP, Bluetooth, Wi-Fi |
| Firewall | ASA Firewall (5505/5510), Checkpoint, Cisco ASA, Palo Alto |
| Network Tools | Solar Winds, SNMP, Cisco Works, Wireshark |
| Load Balancers | Cisco CSM, F5 Networks (Big-IP) |
| WAN technologies | Frame Relay, ISDN, ATM, MPLS, leased lines & exposure to PPP, DS1, DS3, OC3, T1 /T3 & SONET |
| LAN technologies | Ethernet, Fast Ethernet, Gigabit Ethernet, & 10 Gigabit Ethernet, Port- channel, VLANS, VTP, STP, RSTP, 802.1Q |
| Security Protocols | IKE, IPSEC, SSL-VPN, Blue Coat proxy |
| Networking Protocols | RIP, OSPF, EIGRP, BGP, STP, RSTP, VLANs, VTP, PAGP, LACP, MPLS, HSRP, VRRP, GLBP, TACACS+, Radius, AAA |
| Languages | Perl, C, C++, Python, SQL, HTML/DHTML |
| Operating System | Windows 7/XP, MAC OS X, Windows Server 2008/2003, Linux, Unix |

**Certifications:**

* Cisco Certified Network Associate (CCNA)
* Cisco Certified Network Professional (CCNP)

**Education Details:**

* Bachlers:- Computer Science---Sathyabama Institute of Science and Technology, Chennai, India.--2014
* Masters :- University of Missouri-kansas city Masters of Science in Computer Science ---2017

**WORK EXPERIENCE**

**PURE INSURANCE, NY Mar 2022 – Till Date**

**Senior Network Engineer**

**Responsibilities:**

* Worked in Client’s Global Deployment and operations team to support multiple migrations in switching, routing, firewalls, LB and Proxies.
* Designed and implemented SD-WAN solutions for optimizing network performance and reducing latency.
* Designed, implemented, and managed VMware NSX solutions to virtualize network infrastructure.
* Designed and implemented scalable and secure network architectures on AWS.
* Palo Alto design and installation (Application and URL filtering, SSL decryption, SSL Forward Proxy). Configured and maintained IPSEC and SSL VPN's on Palo Alto Firewalls. Successfully installed PA-5000 series firewalls in Data Center as perimeter Firewalls.
* Implemented Nuance transcription and analytics solutions for real-time monitoring and analysis of customer interactions.
* Implemented and maintained Genesys contact center solutions to optimize customer service operations.
* Proficient in utilizing the Meraki Dashboard for centralized cloud-based management of network devices.
* Migration of ASA firewalls to PA next gen Firewalls using migration tool in PA. Migrated all IPSEC tunnels, ACL’s, NAT rules and policies.
* Successfully deployed SD-WAN technologies to enhance connectivity and reliability across multiple branch locations.
* Configured and managed Genesys routing strategies for efficient call distribution and workload balancing.
* Implemented and optimized Meraki wireless access points to provide reliable and high-performance Wi-Fi connectivity.
* Managed AD Domain Controller, DNS and DHCP Servers and configurations.
* Conducted performance testing and tuning of Nuance speech applications to achieve high accuracy and response time targets.
* Demonstrated expertise in configuring and managing SD-WAN appliances and controllers.
* Worked on Cisco ISE for user Authentication, Security Group Tags, MAC based authentication for Wireless and Wired users, 802.1X, EAP, PEAP etc.
* Deployed NSX components, including NSX Manager, NSX Controller, and NSX Edge, for comprehensive network virtualization.
* Configured and managed Virtual Private Cloud (VPC) environments to ensure isolation and connectivity.
* Responsible for the IPAM (IP Address management) system for a very large WAN/LAN network (QIP) using Solarwinds IPAM and Infoblox DNS and DHCP servers. Experience with DHCP scopes, IP reservations, DNS host entries, pointers, delegations, Zones, DNSSec etc.
* Improved network efficiency by leveraging SD-WAN to dynamically route traffic based on application priorities and network conditions.
* Integrated Genesys platform with various telephony systems and CRM applications to enhance overall call center functionality.
* Provides expert level security and networking knowledge in the planning, researching, designing, and testing of new networking technologies for perimeter firewall security, Intrusion Prevention/Protection System (IPS), DNS and DMZ security, and Internet Security in support of established Info Security program initiatives for the next 3 years.
* Implemented Quality of Service (QoS) policies to prioritize critical applications over the SD-WAN infrastructure.
* Implemented and optimized network configurations using AWS networking services such as Amazon VPC, Subnets, Route Tables, and Security Groups.
* Collaborated with vendors and internal teams to troubleshoot and resolve issues related to Nuance software and integrations.
* Conducted site surveys and analyzed RF interference to optimize the placement of Meraki wireless devices.
* Regular upgrade and maintenance of Infrastructure, Installing, configuring, and maintaining Cisco Switches (2960, 3500 ,7600, 3750, 3850 series, 6500 series) Cisco Routers (4800, ASR 9K, 800), Juniper Routers and Firewalls, Nexus 7k,5k & 2k, f5 BIG IP, Palo Alto Firewalls, Zscaler Proxy and Versa SD-WAN appliances.
* Conducted a POC on Versa and Viptella SD-WAN solution as a team and worked on evaluating the solutions.
* Troubleshot and resolved issues related to Genesys components including SIP servers, IVRs, and routing modules.
* Migrated Nexus 7Ks &amp; Nexus 5Ks to an ACI Fabric consisting of 9336PQ Spines &amp; 9332PQLeafs in a brownfield Datacenter.
* Stayed abreast of industry trends and emerging technologies in speech recognition and AI to recommend innovative solutions leveraging Nuance products.
* Integrated security features into SD-WAN architecture to ensure secure data transmission.-WAN
* Worked on Checkpoint Firewall to create new rules and allow connectivity for various Applications. Checkpoint is used as an internal firewall for application security in Kodiak network.

**LPL Financial Services, CA Dec 2020 – Mar 2022**

**Cloud Network Engineer**

**Responsibilities:**

* Configuration and troubleshooting of Site to Site as well as Remote Access VPN on Cisco ASA and Checkpoint firewalls.
* Involved in validating orders of equipment’s required for the DC builds and legacy device conversion.
* Experience working on Cisco Nexus OS 7Ks, Juniper Network Junos QFX3500, QFX5100, SRX1500, Accton 7760, Linux Quanta LB9.
* Troubleshooting the traffic and configuration issues/anomalies in the datacenters and logging them on Ticketing tools (TTs/SIMs).
* Collaborated with cross-functional teams to design and deploy Genesys upgrades and patches while minimizing downtime.
* Configured and managed AWS Elastic Load Balancer (ELB) to distribute incoming traffic across multiple instances, ensuring high availability and fault tolerance.
* Configured and optimized Nuance voice biometrics for secure authentication and fraud prevention in contact center environments.
* Responsible for maintenance, and troubleshooting of dynamic routing protocols: BGP, OSPF & ISIS (route redistribution, distribute lists, route-maps, offset-lists, prefix lists, route summarization, BGP attributes) on Cisco Routers 7613, 7201, and Juniper QFX , MX and PTX routers and switches.
* Working knowledge of frame relay, MPLS services, OSPF, BGP and ISIS routing protocols, NAT’ing, NAC product sub-netting, also including DNS, LDAP, DHCP, http, HTML, HTTPS, TCP/IP, UDP, SNMP, OSPF, RIP, IPSEC, PPTP, VLAN, STP (Spanning tree Protocol), RTSP & Multicasting protocols.
* Proven ability to troubleshoot and resolve SD-WAN issues, ensuring minimal downtime.
* Provided proactive threat defense with ASA that stops attacks before they spread through the network.
* Troubleshoot on security related issues on Cisco ASA/PIX, Checkpoint and IDS/IPS.
* Working knowledge of Microsoft Active Directory, LDAP & RADIUS-based authentication systems.
* Configuring and troubleshooting Aruba related products (7000, 7200, 3200, 3400, 3600 and MK3 series controllers.
* Provided ongoing support and maintenance for SD-WAN deployments, including monitoring and performance tuning.
* Utilized Amazon CloudFront for efficient content delivery, reducing latency and enhancing the user experience.
* Worked on Blue Coat Proxy SG to safeguard web applications (Blacklisting and Whitelisting of web URL) in extremely untrusted environments such as guest Wi-Fi zones
* Created multiple policies and pushed them in to Checkpoint Firewall (Gateways) and the Checkpoint Management Server with SPLAT operating system.
* Work on remedy ticketing tool prioritizing the TT's (Troubleshooting Tickets).
* coordinating with Engineers On-Call in other areas like Europe (Dublin) and Australia (Sydney) to solve the TT's in queue.
* Documented Genesys infrastructure and processes to facilitate knowledge transfer and training for support teams.
* Collaborated with cross-functional teams to understand business requirements and tailor SD-WAN solutions accordingly.
* Provides escalation for network-level troubleshooting activities as related to customers, including but not limited to: analyzing packet captures, event logs, traffic and other diagnostic records
* Supported BGP and OSPF based on the network by resolving level 2 & 3 problems of internal teams & external customers of all locations.

**Jefferies, NY Sep 2018 – Nov 2020**

**Senior Network Engineer**

**Responsibilities:**

* Expert working knowledge including the ability to setup, configure, upgrade, manage and troubleshoot Cisco routers, switches, VPN concentrators, firewalls, 802.11 wireless access points, and load balancers.
* Worked in Biogen Global Deployment and operations team to support multiple migrations in switching, routing, firewalls, LB, and Proxies.
* Competent in utilizing Ekahau tools for RF spectrum analysis.
* Worked in Amtrak’s Deployment and operations team to support multiple migrations in switching, routing, firewalls, LB, and Proxies.
* Palo Alto design and installation (Application and URL filtering, SSL decryption, SSL Forward Proxy). Configured and maintained IPSEC and SSL VPNs on Palo Alto Firewalls. Successfully installed PA-5000 series firewalls in Data Center as perimeter Firewalls.
* Migration of ASA firewalls to PA next gen Firewalls using migration tool in PA. Migrated all IPSEC tunnels, ACL’s, NAT rules and policies.
* Adding Websites to the URL filtering blocklist in Bluecoat Proxies and upgrading firmware on the Bluecoat proxies.
* Strong skills in generating comprehensive reports and documentation using Ekahau reports.
* Worked on configuring and supporting Cisco ASA, Checkpoint, Juniper firewalls.
* Worked on Juniper devices like M, MX, T routers on advanced technologies like MPLS VPNs, TE and other service provider technologies.
* AWS networking segmentation, firewall rules, routing, NAT, IPsec Tunnels, Virtual Networks
* Extensive experience on deploying compute and storage in Azure cloud.
* Experience with configuring BGP, OSPF in Juniper M and MX series routers. Worked on several BGP attributes like MED, AS-PATH, Local Preference for route optimization. Worked on Route-Reflector, Route-Redistribution among routing protocols.

**IPInfusion, CA July 2016 – Aug 2018**

**Sr. Network Engineer**

**Responsibilities:**

* Hands on experience of Nexus 7k, 5k and 2K FEXs and Cisco switch 3560.
* Configured datacenter technologies like VPC, VDC on Nexus 7010 Core Switches.
* Designing, Implementing and Troubleshooting Cisco 3750, 3550, 3560, 2924, 6509-V-E, 6513, 6504, 6503, 6506, 6500 series switches, GSR, ASR routers with Cisco IOS and IOS-XR.
* Designed and implemented Turbot to enforce cloud governance policies and best practices within the organization's cloud environment.
* Configured Layer 2 & Layer 3 interfaces and port channels on Nexus 9508
* Worked on F5 LTM/GTM, Big-IP, load balancing, iRules, and WAN acceleration.
* Recommend and design equipment configurations for LAN/WAN/VOIP deployment on Cisco, Adtran, Fortinet, F5, Radware and Bluecoat.
* Providing Technical Support and solutions for Network Problems.
* Creating and managing user accounts to all team members in partner environment.
* Experience in Cisco switches and routers: IP addressing, WAN configurations.
* LAN cabling in compliance with CAT6 standards; Installing new hardware and swap out hardware physically.
* Configured Turbot policies to ensure compliance with security, cost, and operational guidelines.
* Design and configuring of OSPF, BGP on Juniper Routers and SRX Firewalls.
* Hands on experience installing and configuring Cisco ISE 1.4. .
* Provided technical support for full setup, debugged the problems of OSPF, switching and HSRP.
* Responsibility is to design and deploy various Network Security & High Availability products like Check Point R 77.XX and other Security Products.
* Leveraged Turbot's automation capabilities to enforce governance policies and automate routine tasks in the cloud infrastructure.
* Configuring rules and Maintaining Palo Alto Firewalls & Analysis of firewall logs

**DXC, India May 2013- June 2015**

**Network Engineer**

**Responsibilities:**

* Installing, Configuring and troubleshooting Cisco Routers (ASR1002X, 3945, 3845, 2800, 3600) and Switches (6509E, 4507, 4500-X, 4900M, 3850, 3650, 2960) to perform functions at the Access, Distribution, and Core layers.
* Configuration of various Cisco Routers & L2/L3 Switches and implementing OSPF and BGP on the routers
* Configuring, upgrading and deployment of Nexus 7010, 5596 and 2248.
* Installation and deployment of new class 9X and class 10 Server farms in multiple silos.
* Designing and installing new branch network systems. Resolving network issues, running test scripts and preparing network documentation.
* Working with Cisco Nexus 2248 Fabric Extender and Nexus 5500 series to provide a Flexible Access Solution for datacenter access architecture.
* Design, Installation and consolidation of local server farms in multiple branch locations with Cisco 4500-X at distribution and 4948’s replacing the 3750’s at access level.