**Name: Nikill**

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**Professional Summary**

* Cisco Certified Network Engineer with 8 years of professional experience in Network engineering, performing Network analysis, design, Implementing, capacity planning with focus on performance tuning and support of large Networks and 6 years of Production support/Network Administration.
* Strong hands on experience in installing, troubleshooting, configuring of Cisco ASR, 7200, 3900, 3800, 2900, 2800, and 1800 series Routers, Cisco Catalyst 6500, 4500, 3750, 2950 and 3500XL series switches.
* Strong knowledge in Cisco Routing, Switching and Security with Cisco hardware/software (heavy Cisco shop) experience.
* Experience working with Nexus 7010/Nexus 7018, 5020, 2148, 2248 devices.
* Experience working on Juniper series of devices like MX-960, MX-480, MX-104, MX-480, SRX-550, SRX-240, SRX210 and EX, QFX series of switches.
* Experience in troubleshooting and deploying of various IP Routing Protocols OSPF & BGP on Juniper routers.
* Experience with NIST/PCI environment.
* Working experience on Pa-5020, Pa-3020 series Palo Alto firewalls and Panorama.
* Installing, configuring virtualization products such as VMware Workstation, Virtualbox and vSphere.
* Hands on experience deploying and troubleshooting IP phone systems (Avaya wireless and Polycom).
* Experience in configuring Cisco WLC 5508, 5500 Series Controllers in a vast production environment.
* Acquired strong skills in working with cloud based WLAN technologies like 802.11ac/b/n/g Cisco WLAN, CISCO Meraki and Aruba wireless.
* Created documents for various platforms including Nexus 9k, 7k, ASR9k, and ASR1k enabling successful deployment of new devices on the network.
* Implementing security Solutions using PaloAlto Pa-5000/3000, Cisco ASA, Checkpoint firewalls R75, R77.20 Gaia and Provider-1/MDM.
* Good Hands on experience in deploying, troubleshooting and configuring Cisco Meraki Layer 2 and Layer 3 switches like MS 225, MS 250 and MS 350.
* Hands on experience in managing IT Network infrastructure in Meraki Dashboard (Access points, Switches etc.).
* Experience in configuring, upgrading and verifying the NX-OS operation system.
* Experience configuring and troubleshooting Virtual Device Context and VPC in Nexus 9k,7k series switches
* Very Good knowledge of different protocols - Cisco/Avaya Nortel: VPN, VoIP/SIP - H.323, H.248, Network Services, Codecs - G.711/G.722, SIP, Wireless: VoIP Media RTP/RTCP, One-X Comm., 3rd Party Support: ACD, IVR & Dialer, CTI Reports, Cisco Call Manager, Contact Center, CAD; Telco Traffic Studies; SBC - Sonus, Enterprise, Oracle ACME; E911 Tests.
* Given support for RADIUS and TACACS+ servers for network device access control.
* Involved in physical stacking and racking of Network equipment in huge datacenter environment.
* Good knowledge in working with Infoblox Grid manager to ensure high availability DNS, DHCP and IPAM services throughout the distributed network.
* Experience with convert Cisco ASA rules over to the Juniper SRX based solution.
* Responsible for Cisco ASA, Juniper SRX firewall administration across customer networks.
* Experience in Deploying Riverbed Stealhead for WAN optimization application over the enterprise network.
* Built and maintained secured and redundant PCI and DMZ firewall environments.
* 1+ Years’ experience in deploying SD-WAN module(CloudGenix) in the production network environment.
* Configuration and troubleshooting of CSM, integration with ASA devices.
* Experience in managing security policies with CSM, integrated with ASA 5500 devices.
* Having good hands on experience in working with monitoring and managing the nodes within the network using Network monitoring tools like Solarwinds.
* As a managed security services (MSS) resident I understand and apply commonly known security practices and possess a working knowledge of applicable industry controls such as NIST 800-53.
* Configuring and troubleshooting Ether channels between network devices during disruptions in the network.
* Expert-level knowledge on AWS security tools and services like AWS security model, Identity and access management(IAM), Security groups, Network ACLs, Encryption and Multifactor Authentication.
* Managerial experience for Build Domain Controllers, Member Servers, Disaster recovery, networking protocols, including TCP/IP, HTTP, NTP, DNS, MLLP and NDM to support Enterprise Solutions.
* Configured user authentication setting control using PowerShell
* Experience in Routing protocol configurations (RIP, EIGRP, OSPF, and BGP).
* Provided support for VOIP applications, **Call Manager, Call Center** and other WLAN network equipment (Access Points, Cradle points and DSL Modems).
* Create PowerShell scripts used to automate daily task.
* Working understanding of code and shell script (Bash, Powershell, PHP, Python, Perl and/or Ruby).
* Experience with different Network Management Tools and Sniffers like Wireshark (ethereal), HP-Open view, RSA envision, and Cisco works to support 24 x 7 Network Operation Center.
* Experience with Project documentation tools & implementing and maintaining network monitoring systems and experience with developing network design documentation and presentations using VISIO.
* Monitoring & maintenance complying with required HIPAA/PCI regulations

**CERTIFICATIONS:**

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

**Technical Skills:**

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| --- | --- |
| **Operating Systems** | Cisco IOS, NX OS, DOS, Windows 95/98, Windows NT/2000/XP/Vista/7/8 |
| **IP Routing** | RIPv1, RIPv2, BGP, OSPF, IGRP, EIGRP |
| **Communication Protocols** | TCP/IP, UDP, DHCP, DNS, ICMP, SNMP, ARP, RARP, PPP, HDLC and ISDN, WAP, WEP,SOAP, XML,REST |
| **Topologies** | Frame Relay, ATM, T1, T3, OC3, OC12, OC48, Ethernet, Cable Modem, XDSL and WLAN |
| **Network Peripherals** | Hubs, Cisco switches (2900, 2924, 2950, 3550, 3560, 4000, 5500, 6500, 6509, 6513,), Cisco routers (2600, 2800, 3640, 3700, 3825, 7200, 7204, 7206), Cisco ASA 5500 series, Cisco 1200 Aironet Access Points, CSU/DSUs, network cards and Modems, Cisco Meraki and Junipers |
| **Network Management Tools** | MRTG, HP Open view, Cisco WAN manager, Cisco works 2000 |
| **Sniffers** | Ethereal (Wireshark) |
| **Software** | Microsoft Office 97/2000, MS Visio |
| **Firewall Security** | Cisco ASA, Checkpoint, Palo Alto. |
| **AAA Architecture** | TACACS+, RADIUS, Cisco ACS |

**Professional Experience:**

**T-Mobile, Parsippany, NJ Aug 2016 – Present**

**Sr. Network Operations Engineer**

**Responsibilities:**

* Responsible for configuration, maintenance and troubleshooting routing protocols BGP, EIGRP and OSPF on Cisco Routers 7613, 7201, 2812, 2811 and 3945E.
* Worked on the implementation of branch routers such as Juniper MX80, MX104 and perform Junos upgrades.
* Acquired hands on experience in supporting and troubleshooting 250 above remote locations within the VPN throughout US and Canada.
* Provided 24/7 On-Call assistance to the clients in all WLAN network related issues in a rotation basis.
* Worked in a team of designing and deploying stand-by datacenter of the giant enterprise network.
* Direct report to Senior WLAN Engineer/AVP & Responsible for all WAN, LAN, VOIP, Security & IPT on his absence along with weekend support.
* Broad knowledge of configuring and troubleshooting SIP PBX solutions including Cisco, Asterisk, and Avaya.
* Deploying and decommission of VLANs on core ASR 9K, Nexus 9K, 7K, 5K and its downstream devices and also configure 2k, 3k,7k series Routers.
* Worked on projects/WLAN/systems/issues of small to medium complex enterprise network.
* Provided wireless operations support and maintenance for network systems as a primary team member.
* Involved in a designing team in developing secured network communication within the corporate network involving protocols WAP, WAP 2.0, WEP etc.
* Experience working on Linux, Centos, shell, python scripting.
* Developing PowerShell scripts for Prod Ready QA automation for Windows and Linux servers
* Developed an adaptive call quality algorithm utilizing network packet scheduling, codec bitrate management, network Jitter and packet loss based on RTCP feedback reports.
* Worked on migration from legacy PIX to new Cisco ASA appliances, ASA to Paloalto firewalls.
* Working experience on PA-5020, PA-3020 series Palo Alto firewalls and Panorama.
* Strong hands on experience in installing, troubleshooting, configuring Dell switches and Dell routers.
* Hands on experience deploying and troubleshooting IP phone systems (Avaya wireless and Polycom).
* Experience in Deploying and configuring Cisco WLC 5508, 5500 Series Controllers in a vast WLAN production environment.
* Good understanding of SNMP, IP SLA and Network Monitoring with experience in tools like PRTG.
* Acquired strong skills in working with cloud based wireless technologies like 802.11a/n/g, CISCO Meraki and Aruba wireless.
* Designing Networks with HSRP, VRRP, VLANs, TACACS+, OOB, ILO, Proxy Servers, Cisco’s IDS and IPS Systems.
* Selecting the appropriate AWS service based on data, compute, database or security requirements.
* Experience with Cisco UCS, Virtual Infra on VMware, Installation, Upgrades and Patching and Worked on Cisco UCS Manager, UCS Central to build server profile.
* Designed and implemented end-to-end media protocols such as RTP/RTCP for Video Monet® application.
* Good Hands on experience in deploying, troubleshooting and configuring Cisco Meraki Layer 2 and Layer 3 switches like MS 225, MS 250 and MS 350.
* Acquired knowledge in working with Meraki wireless access points MR 16, MR 18, MR 32, MR 42, MR 72 etc.
* Configured Access control list and also configured Cisco ACS for AAA services using Tacacs and Tacacs+
* Used Cisco ACS to enhance visibility and control across the network domain, also centrally managed wired and WLAN based on network scenarios.
* Given support for RADIUS and TACACS+ servers for network device access control.
* Involved in physical stacking and racking of Network equipment in huge datacenter environment.
* Configuration on BIG IP (F5) Load balancers and also monitored the Packet Flow in the load balancers.
* Perform installs, configure and troubleshooting on statefull inspection firewalls and inline/passive IPS/IDS sensors.
* Worked on F5 BIG-IP LTM 8900, Citrix and Netscalar configured profiles, provided and ensured high availability.
* Networks for NAC Solutions for both Cisco and Forescout NAC Appliances.
* Implemented identity based access management using Checkpoint vSEC and VMware NSX in a cloud environment
* Worked on the migration of Cisco ASA 5540 Firewalls to Paloalto firewalls using Paloalto conversion tool.
* Powershell scripted list item creation in SP2013 based on data from Angular JS and SQL
* Handled configuration and troubleshooting of various VoIP and signaling protocols to include H.323, SIP, SS7, RTP, Analog, PRI, CAS, Hosted Cloud PBX voice solutions, and MGCP utilizing Edgemarc 4550 voice gateways, Broadworks Application Server, Cisco BTS, Sonus switch, and ACME SBC.
* VMware vSphere ESXi 5.5 Systems Engineer
* Experience in providing Security using F5 BIG-IP APM and ASM.
* Configuring and managing the Console server switches like Lantronix SLC8000 at datacenter.
* Experience in Deploying Riverbed Stealhead for WAN optimization application over the enterprise network.
* Experience with Python and shell scripting
* Experience in deploying SD-WAN module(CloudGenix) in the production network environment.
* Configure and Manage site-to- site IPSEC VPN with different partners. Troubleshoot remote access services like Cisco WLAN clients and for the users to access their enterprise network.
* Knowledge of Intrusion Detection, DMZ, encryption, IPsec, proxy services, Site to Site VPN tunnels, MPLS/VPN, SSL/VPN.
* Configuring rules and Maintaining Palo Alto Firewalls &amp; Analysis of firewall logs using various tools
* I have a good experience working with the Trouble Tickets on F5 Load balancers.
* Provided application level redundancy and availability by deploying F5 load balancers LTM
* Designed and implemented DMZ for Web servers, Mail servers & FTP Servers using Cisco ASA5500 Firewalls.
* Worked extensively on Cisco ASA 5500(5510/5540) Series, experience with convert Cisco ASA to Juniper SRX solution.
* Network security including NAT/PAT, ACL, on ASA and Juniper SRX Firewalls.
* Implemented Site-to-Site VPNs over the internet utilizing 3DES, AES/AES-256with Juniper SRX 550Firewalls.
* Experience with Cisco UCS server blades with VMware ESX deployments on Cisco UCS
* Experience in managing and resolving incident tickets generated by ticketing tool Service Now.

**Environement**: Cisco ASA, Palo Alto Firewalls, F5 Load balancers, RADIUS and TACACS+ servers, Meraki Layer 2 and Layer 3 switches like MS 225, MS 250 and MS 350, Nexus 9K, 7K, 5K devices, routing protocols BGP, EIGRP,OSPF and BGP ,ACL, WLan, Cisco Routers 7613, 7201, 2812, 2811 and 3945E, and Juniper MX80, MX104.

**Atos, Santa Ana, CA Sep 2015 – Jul 2016**

**Sr. Network Engineer**

**Governmental IT Outsourcing Services, Inc.**

**Orange County (DMZ & Transformation)**

**Responsibilities:**

* Worked extensively in Configuring, Monitoring and Troubleshooting Cisco ASA's 5585.
* Responsible for Cisco ASA firewall administration, Rule Analysis, Rule Modification.
* Implementation of Access Lists for allowing/blocking desired traffic.
* Provided support for VOIP applications, **Call Manager, Call Center** and other WLAN network equipment.
* Packet capturing, troubleshooting on network problems, identifying and fixing problems.
* Experience working in Datacenters environment, configuration changes as per the needs of company.
* Troubleshot layers 1, 2, and 3 of the OSI model on a daily basis with customers and partners.
* Experience in migration of VLANS.
* Performed Configuration on ASR 9K Pairs includes HSRP, Bundle Ethernet Config, Assigning DHCP profiles
* Configure/Troubleshoot advanced routing protocols such as BGP, OSPF, EIGRP, IS-IS and VoIP
* Have experience in building different firewall vendor technologies like Checkpoint, Cisco and Paloaltofrom scratch.
* Creating AWS Instances and Resources Bills.
* Extensive Knowledge on the implementation of Cisco ASA 5500 series and checkpoint R 75 firewalls
* Configuring objects such as Load Balancer pools for local traffic management on F5 Load Balancers
* Configuring VLANs/routing/NATing with the firewalls as per the network design.
* Experience in establishing NIC bonding/ teaming, IP aliasing.
* Worked on Transformation project WLAN.
* Extensive Knowledge on the implementation of Cisco ASA 5500 series and checkpoint R 75 firewalls
* Traced OSI layers and extracting the packet information at each and every layer.
* Manage PRTG - Network Monitor for alerts on LAN's, VM, Servers, Websites.
* Worked on Wireshark, TCP/IP,and OSI Layers for packet tracking and Drafted & finalized progress   
  reports, final report. Technologies: Java, JSP, Servlets, Wireshark, TCP/IP, JQuery
* Configuring and resolving various WLAN issues in a production multi area environment.
* Implemented, configured BGP WAN routing, converting OSPF routes to BGP (OSPF in local routing).
* Installed and maintained Cisco and F5 Load Balancer and documentation
* Installing, configuring Cisco Catalyst switches 6500, 3750 & 3550 series and configured routing protocol OSPF, EIGRP, BGP with Access Control lists implemented as per Network Design.
* Implementing, configuring, and troubleshooting various routing protocols like RIP, EIGRP, OSPF, and BGP etc.
* Good knowledge in Technologies include Viptela SDWAN, Cisco routers and switches, Cisco Prime and APIC, Cisco and Meraki enterprise and industrial wireless.
* Good knowledge in systems integration, software hardware emulation experience.
* Perform setup of test scenarios, both hardware and software components, and perform WLAN troubleshooting.
* Created documents for various platforms including Nexus 7k, ASR9k, and ASR1k enabling successful deployment of new devices on the network
* Configuring, implementing and troubleshooting VLAN’s, VTP, STP, Trunking, Ether channels.
* Designing, implementing LAN/WAN configurations on Cisco 5K, catalyst 6500 switches.
* Experience configuring Virtual Device Context in Nexus 7k series switch.
* Strong knowledge on networking concepts like TCP/IP, Routing and Switching.
* Designed, configured, implemented site-site VPN on cisco ASA 5500 firewall.
* Having strong knowledge in AAA implementation on servers.
* Implemented, configured redundancy protocols HSRP, VRRP, GLBP for Default Gateway Redundancy.
* Provided Security using F5 BIG-IP APM and ASM.
* Experience with configuring Load Balancing methods in F5 LTM and also configured the virtual server.

**Enivorment:** Cisco ASA 5500 series and checkpoint firewalls, F5 Load Balancer, TCP/IP, Routing and Switching, VLAN’s, VTP, STP, Trunking, Ether channels, AAA implementation on servers, Nexus 7k, ASR9k, and ASR1k, VLANS and WLAN. Cisco Catalyst switches 6500, 3750 & 3550, routing protocol OSPF, EIGRP, BGP with Access Control lists and maintain Brocade VDX 6740 and ICX 7250 switches

**Facebook, Menlo Park, CA May 2013 – Jul 2015**

**Sr. Network Engineer**

**Responsibilities:**

* Work with Level 3 Engineering on software bugs and solutions involving software upgrades and feature enhancements.
* Experience with configuring Nexus 2000 Fabric Extender (FEX) which acts as a remote line card (module) for the Nexus 5000.
* Experience with converting 6500 to Cisco Nexus in the data Center environment.
* Involved in Substantial Configuration & validation prior to implementation of Nexus 7K, 5K & 2K connecting to blade servers.
* Responsible for implementation of Cisco Nexus 2148 Fabric Extender and Nexus 5000 series to provide a flexible Access Solution for Datacenter access architecture.
* Primary responsibility is to design and deploy various network security & High Availability products lick Cisco

ASA other security products.

* Management of F5 LTMs & GTMs(DNS) to improve web application delivery speed and replication through and between distributed global data centers
* Worked on F5 LTM, GTM series like 4000, 5000 for the corporate applications .
* Configuring Layer 2 switching protocols and deployment of Juniper EX sand QFX series switches in

data center environment.

* Experience in configuring Virtual Device Context in Nexus 7010.
* Supported the technologies like IWAN Solutions, APIC-EM, Prime Infrastructure.
* Experience with building Ultra Low Latency Data Center Design End-to-end design approach.
* Design, implementation and operational support of routing/switching protocols in complex environments including BGP, OSPF, EIGRP, Spanning Tree, 802.1q, etc.
* Hands on Experience with Spirent test center.
* Experience with Splunk Security Infrastructure and event management.
* Experience in Configuring, upgrading and verifying the NX-OS operation system.
* Deploying and decommissioning of Cisco Routers, Cisco switches and their respective software upgrades.
* Performing the Firewall ACL requests change for various clients by collecting source and destination details.
* Policy management and changes in Juniper SRX firewall
* Administration and troubleshoot of Juniper SRX 3000, 4000, 5000 Series firewall.
* Working with Network Design and implementation teams on various projects across North America.
* Experience with manipulating various BGP attributes such as Local Preference, MED, Extended Communities, Route-Reflector clusters, Route-maps and route policy implementation.
* Identify, design and implement flexible, responsive, and secure technology services.
* Experience in network security in a telecommunications environment.
* Performed OSPF, BGP, DHCP Profile, HSRP, IPV6, Bundle Ethernet implementation on ASR 9K redundant pair.
* Performing troubleshooting on slow network connectivity issues, routing issues that involves OSPF, BGP and identifying the root cause of the issues.
* Configure Corporate, Wireless and Lab Devices which includes Bandwidth Upgrade, Adding New Devices, Decom the Devices, Testing(Pilot).

**Environment**: Juniper SRX 3000, 4000, 5000 Series firewall F5 Load Balancer, F5 LTMs & GTMs(DNS) , TCP/IP, Routing and Switching, VLAN’s, VTP, STP, Trunking, Ether channels, Nexus 7k, ASR9k, and ASR1k, VLANS and WLAN, routing protocol OSPF, EIGRP, BGP with Access Control lists.

**AT&T, Middletown NJ Jul 2011 – Apr 2013**

**Sr. Data Network Engineer**

**Responsibilities:**

* Configured and designed LAN networks with Access layer switches such as Cisco 4510, 4948,

4507 switches.

* Setting up VLANS and configuring ISL trunk on Fast-Ethernet channel between Switches.
* Configuring Virtual Chassis for Juniper switches EX-4200,Firewalls SRX-210.
* Configuring VLAN, Spanning tree, VSTP, SNMP on EX series switches.
* Understand the JUNOS platform and worked with IOS upgrade of Juniper devices.
* Designed and implemented security policies using ACL, firewall.
* Design and configuring of OSPF, BGP on Juniper Routers and SRX Firewalls.
* Configured routing policy for BGP. Switching related tasks included implementing VLANs and configuring ISL trunk and 802.1Q on Fast-Ethernet channel between switches.
* Troubleshooting on network problems with Wire shark, identify problem and fix.
* Understand the JUNOS platform and worked with IOS upgrade of Juniper devices
* Redistribution of routing protocols and Frame-Relay configurations.
* Configuring and troubleshooting type of routing to route traffic flow per customer requirement as primary, backup/load balanced and load splitting.
* Configured VLANs on a switch for inter-VLAN communication. Configured VLAN Trunking Protocol (VTP) on Core Switches. Configured various LAN switches such as CISCO CAT 2900, 3550, 4500, 6509 switches for STP, VTP Domain, VLAN, Trunking, Fast Ether Channel configuration.
* Documented all the work done by using Visio, Excel &amp; MS word.

**Environment:** F5 Load Balancer,Switching, VLAN’s, VTP, STP, Trunking, inter-VLAN communication Ether channels, VLANS and WLAN, routing protocol OSPF, EIGRP, BGP with Access Control lists , JUNOS platform and worked with IOS upgrade of Juniper devices.

**Oriental Insurance, India Mar 2009 – Jun 2011**

**Network Support Engineer**

**Responsibilities:**

* Assigned a project to set up LAN. Worked on the entire project from cabling to IP addressing assignment.
* Supporting wide range of products from Cisco Systems, Troubleshooting of Routers and Switches.
* Configuration and installation of Cisco Routers and Switches.
* Configuring and working with Cisco Routers and Switches using protocols like RIP, EIGRP, and OSPF.
* Manage the Routing protocol and Encapsulation Protocol.
* Trouble shooting of WAN connectivity problems.
* Configured STP for loop prevention and VTP for Inter-VLAN Routing.
* Configuration of Standard and Extended access-lists.
* Coordinating with Filed Engineers in trouble shooting of WAN connectivity problems.
* Coordinating with tasks assigned to Field engineers.
* Configured VPN for the remote and site-to-site access.
* Part of troubleshooting team for checkpoint firewall.
* Worked on Access Control List (ACL), NAT/PAT rules.

**Environment:** Cisco Routers, Switches, WAN, LAN, Trouble Shooting, Checkpoint Firewall, Access Control List (ACL), NAT/PAT rules.

**Education Details:**

Bachelors: B.Tech

Major: Computer science engineering

University: Jawaharlal Nehru Technology University(India)