**Venkatesh**

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**Professional Summary:**

* **9years of professional experience** with **Cisco Certified Network Engineering**, performing networking, configuring, troubleshooting, installing and maintaining of networking devices.
* Providing 24/7 quality assurance in network monitoring, optimization and fault management services in network operation center.
* Hands on experience in configuring and Deployment of **Routers** and **Switches** in network support**.**
* Experience with **Cisco Routers, Cisco Switches, Load Balancers** and **Firewalls**.
* Switching tasks include **VTP**, **ISL/ 802.1q**, **IP sec** and, **VLANs**, **Ether Channel**, **Trucking**, **GRE Tunneling**, **Port Security**, **STP** and **RSTP**.
* Excellent in troubleshooting connectivity and hardware issues on **Cisco Switches, Routers, Palo Altofirewalls**.
* Experienced working and configuring Cisco routers and **L2/L3 Switches** and good understanding of IP Sub netting.
* Knowledge in maintaining, configuring servers and implementing security protocols.
* Expertise in configuring switches and routers with protocols such as **OSPF,EIGRP,BGP,HSRP, GLBP,STP, TRUNKING, VPN, VDC**.
* Experience working with **Bluecoat Proxy, IPS/ IDS.**
* Configured and maintained Cisco Catalyst **Switches 6500,4500,3500,2900 series**, **Cisco Nexus Switches 7K/5K.**
* Good Understanding of **Python**, C# scripts for system automation, monitoring and security reporting. Maintain existing Perl scripts and migration existing Perl scripts to **Python** , C#.
* Proficient in **LAN/WAN** routing, switching, application load balancing and wireless.
* Creating **VLAN's** to isolate different departments.
* Policy development, planning, programming on **IT security**, Network administration and providing support.
* Responsible for **Cisco Firewall** Administration across global networks.
* Install and configure Palo Alto Migration tool for ASA to Palo Alto conversion.
* Installing, Configuring, Maintaining, Administration of CiscoFirewalls.
* Wireless LAN Controller, Cisco 1702 Lightweight Access Point, and Cisco 5505/5506 Adaptive Security appliances
* Provided Excellent IT security by building Cisco ASA firewalls.
* Experience in Load Balancing with F5 LTM and GTM products.
* Knowledge about configuring various network services like DNS, DHCP and NAT implementations with Cisco devices.
* Maintained BGP, DNS, OSPF, LACP, 802.1Q, 802.1x, NAC, MPLS, TCP/IP, IPv4,Ethernet, WAN technologies, VPN tunneling.
* Implementing and Configuring Ether channels with LACP and PAGP.
* Experience in maintaining Disaster recovery and backups of configurations for quickly resolving issues.
* DNS, DHCP, NAT configurations on Cisco Devices.
* Experience about L2/L3 switching, L2/L3 QOS, IPSec, MPLS, Ethernet, Voice and data integration.
* Providing flexible off-hour support especially during upgrades and maintenance.
* Administrating windows servers’infrastructure, which include Domain Controllers, File and Print, FTP/SFTP servers.
* Tolls migration (Netqos, Ehealth, Spectrum, Cacti) to a single platform that is Solar winds.
* Number of technical trainings conducted internally for teammates and for new joiners
* Most of the manual work automated, with that N numbers of business hours saved & business impact also minimize.
* Good Understanding of Python scripts for system automation, monitoring and security reporting. Maintain existing Perl scripts and migration existing Perl scripts to Python.

Technical Skills:

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| --- | --- |
| Networking SKILLS | Skilled in configuring Nexus (7k, 6k, 5k, 2k (FEX), Nexus 1000V), Cisco Routers, Cisco Switches, VLANS, Spanning Tree (RPVST+, MST), VTP, Ether Channels, UDLD, MPLS, OSPF, RIP, EIGRP, BGP, HSRP, VRRP, GLBP, QOS, ACL, IP Prefix-list, NEXUS (FEX, OTV, FHRP, VPC, VDC), WAAS, MPLS VPN, IPSEC, IPV4, IPV6 |
| Security protocols | IKE, IPSec, SSL, AAA, Access-lists, prefix-lists |
| Software | Microsoft Office Suite, MS SQL Server 2008, HTML |
| Network management | SNMP, Cisco Works LMS, HP Open view, Solar winds, Ethereal. |
| Layer 3 Switching | CEF, Multi-Layer Switching, Eather Channel. |
| Carrier Technologies | MPLS, MPLS-VPN |
| Redundancy Protocols | HSP, VRRP, GLBP |
| Operating Systems | Windows XP/Vista/7/8/10, Nexus OS, Cisco IOS, Sun Solaris 10/9/8, Red Hat EL 5.x, 6.x, 7 and Windows Server, VMware ESX, Solaris, MS Windows server, Mac OS, UNIX |
| Juniper Routers / Firewall | J2300, J6300, M7i, M10i. SSG-5, SSG-20.,SRX-100,240 |
| Juniper Switches | EX-3200, EX-4200, Ex-8200 |
| Language | Turbo C/C++, basics in Perl and Shell scripting, Power Shell |
| Tools | HPOVI, HP Service Desk, Remedy, Thousand Eyes, Solar winds, JIRA,Spirent itest, SMC, NAGIOS, ASDB, Cacti Opswiki, CAEhealth, Network Vantage, NETQOS, Spectrum, MRTG, Fluke, Solar Winds, ARUBA, CACTI, CISCO Prime, CISCO ISE, Info box, Cisco Total care Excel, PowerPoint, Word, Visio, Spulnk,Beacon |

CERTIFICATION:

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

EDUCATION:

* Bachelor’s in Computer Science, JNTUH, INDIA
* A valid Class C California Driver's License is there.

Professional Experience:

Nationwide, Columbus, OH (Jan 2017-Present)

Sr. Network Engineer& Security Administrator

Responsibilities:

* Complete LANand WAN development which include IP addressing, planning, designing, implementing, configuring, testing, troubleshooting, maintenance etc.
* Working on Cisco 3750/ 3850 switches and Cisco 3900 ASR 1000a routers to new sites and implementing wireless access points.
* This task involves the implementation of several devices in this environment among these are printers, phones, wireless AP, laptops, Linux servers, Windows workstations, and network devices such as firewalls (SRX240, NS5200).
* Experience in configuring Cisco switches 4500, 6500 used in multi VLAN environments with the use of Inter Vlan routing, HSRP, ISL trunk, Ether Channel.
* Wireless LAN Controller, Cisco 1702 Lightweight Access Point, and Cisco 5505/5506 Adaptive Security appliances
* Implemented Cisco Miraki firewall MX 64, MX 65 W. Configured Dual ISP paths. Implemented the web.
* Implement network security including building firewalls, managing host security, file permissions, backup and disaster recovery procedures as well as system hardening requirements, access control. Management, system logging and auditing of network devices and security appliances.
* Experienced with the SpirentiTest.
* Deploying and monitoring devices using Fog director.
* Involved in Switching Technology Administration including creating and managing VLAN's, Port security, Trunking, GLB**P,STP, LAN Security,InterVlan Routing.**
* Configured **BPDU Guard, uplink fast, port-fast** and other **STP** features.
* Configured Routers with **IP, EIGRP, RIP, BGP, OSPF.** Configured and Installed (IP, IPX) on multi-interface Cisco routers.
* Experience working with **Nexus 2148t Fabric Extender** and **Nexus 5000 series** to provide a flexible access solution for datacenter access architecture.
* Worked and configured Virtual Device Context in **Nexus 7010**.
* Configuring and troubleshooting WAN technologies like **MPLS, T1, T3, DS3, and ISDN**.
* Used Python , C# modules such as requests, urllib, urllib2 for web crawling.
* Development using Perl or Python, C# development in a Linux environment Development.
* Written **Python** , C# and Power shell scripts for the automation of deployments and integrating with the CI tool.
* Existing Switches replaced with **2960 switches** for on demand users.
* As perData Center fabric remediation/refresh project, deployed Cisco Nexus switches and implemented features like **FEX Links, VPC and VDC**.
* Build Logical design and implementation of Wireless Solution.
* Hands on experience in configuring and maintaining **WLC-5508, Lightweight Access point LAP** and **LWAPP.**
* Experience with the Firewall Administration, Rule Analysis and Modification.
* Responsible for **Cisco ASA 5500 firewall** administration across our global networks.
* Configuring and maintaining**Access lists (ACL)**on**Cisco ASA** firewall for proper network routing for the **B2B network connectivity**.
* Troubleshooting user connectivity issues and clustering issues by using **CLI utilities**.
* Implementing the firewall rules using Netscreen Manager **(NSM)**.
* Configuring **VLAN's, Routing, NATing** with firewalls as per the requirement in design.
* **DMZ** for Web servers, **Mail servers & FTP servers** is designed and implemented using **Cisco ASA5500 Firewalls**.
* Experience in managing and supporting various teams to add new routers, switches, firewalls to DMZs.
* Experience with converting **Cisco VPN** rules to **Cisco ASA** solution and Migration with **Cisco ASA VPN**.
* Troubleshoot the network issues onsite and remotely depending on the issues which are raised in remedy tool.
* Hands on experience in Configuring, Upgrading and verifying the **NX-OS** operation system.

**Environment:**Cisco2960/3500/3750/3850/4500/6500switches, Cisco 3640/3900/ 7200/ 3845/ 2800 routers. Cisco Nexus 7K/5K. Cisco ASA 5500 Windows server 2003/2008 F5 OSPF, EIGRP, BGP, Python,LAN,WAN VPN, HSRP, GLBP, BIGIP, LTM.

**Ruckus Wireless, Sunnyvale, California. Apr2014-Nov2016 Lead Network Engineer**

**Responsibilities:**

* Designed, Implemented and maintained complex**LAN/WAN** consists of many **VLAN's**by configuring Cisco Switches and Routers independently.
* Technical support for analysis and rectification of **LAN/WAN** networks.
* Experience in performing IOS upgrades in **Cisco 2900/ 3500/ 4500** series switches and **2500/ 2600/ 3600 routers**.
* Initiating **Telnet sessions** and implementing **password security**.
* Loop prevention by configuring Cisco Catalyst Switches with **STP**.
* Experience in configuring **RIP** and **EIGRP**, authoring Access lists **on 2901/3925 Cisco routers.**
* Pulling the cable into its path.
* We install the cable with conditions that are within the limits of the cable.
* **Creating VLAN's** to isolate different departments.
* Trunking is implemented by using **Dot1Q** and **ISL** on Cisco Catalyst Switches.
* Troubleshooting **VLAN's/VLANTrunking**, **HSRP**.
* Expertise in configuring and maintaining layer 2 switching tasks with **VLAN,VTP,STP,RSTP,PVST,and RPVST**.
* Configuring Ether Channel with **LACP** and **PAGP** with trouble-shooting**Inter- VLAN routing**.
* Interacted with Service Now incident management system for ticket prioritization.
* Access Lists are implemented on **ASA firewall** for proper network routing between B2B network connectivity.
* Configured and maintained **Cisco ASA, PIX** firewalls and**Juniper** Firewall (**SRX5400**).
* Hands-on experience in implementing Access Control Server (**ACS**) for **TACACS+/RADIUS** on Linux and windows platforms.
* Worked with**McAfee Web gateway**, **Wire shark** to analyze network issues.
* Experience in implementing, designing and supporting Cisco wireless **LWAPP** environment that supports both **802.11n** and **802.11b/g**.
* To support 64-bit machines **Cisco SSL VPN ASA5500** is migrated to **Juniper SSL VPN 6500**.
* Designing F5 solutions and support for migration work of applications and websites from **Cisco CSS** load balancers to **F5 BigIP** load balancers.
* Performing network monitoring and provide analysis by using **Wire shark** and **Solar winds**etc.

**Environment:** Cisco 2948/4500/3560/3560/3500/3550/3570/2960/6500 switches, Cisco 3640/7200/3845/2800/3600 routers, Cisco Nexus 5K/7K, Juniper M320 Juniper Firewall-SRX5400,Cisco ASA 5500, F5 BIGIP, LTM, OSPF, HSRP, STP, EIGRP,LAN, WAN, VPN,RSTP,RPVST.

**Credit One, Irving, TX May 2012- March 2014Network Engineer**

**Responsibilities:**

* Worked as part of the team to manage enterprise network infrastructure as a **Tier-3 Support Engineer**.
* Designed and configured **Juniper routers** and **SRX firewalls** with **OSPF** and **BGP**.
* Configured **HSRP**, **VLAN Trunking 802.1Q**, VLAN routing on **Cisco Catalyst 3550/4500/6500 Switches**.
* Experience in configuring **Trunk groups**, **Ether-Channels**, **STP** for creating and maintaining Access/Distribution and Core layer switching architecture.
* Configuring **Cisco 2900/3500 switches** with **STP, RSTP, and RPVST** to avoid loops.
* Hands-on experience in configuring **VPC**,**VDC** and **ISSU** Software upgrades on Cisco **Nexus 7010**.
* Configuring **Static NAT**, **Dynamic NAT**, **TCP**overload distribution.
* Assisting the certification teams in configuring **LAN/WAN technologies** such as **Ethernet**, **Fast Ethernet**, **and GigabitEthernet**.
* Experience in configuring **HSRP**, **GLBP** on Cisco Catalyst switches.
* Support routing protocols including **BGP** and **OSPF routing**, **HSRP**, Load Balancing/Failover configurations, **GRE Tunnel Configurations**, **VRF configuration** and support on the routers.
* Troubleshooting issues using advanced techniques such as **TCPDUMP**, **FW Monitor**, Opnet packet capture, pcap analysis using **Wire shark/infinistream**, firewall rule baseaudit and **MOP** (Method of Procedure) for firewall and proxy.
* Configured **Cisco VPN** Concentrator 3060 for VPN Tunnel with Cisco VPN hardware/software client and **PIX/ASA firewall**.
* Experience in configuring **Cisco ASA Firewalls 5540/5550/5585** using CLI, **Cisco CSM**, **ASDM** for day-to-day maintenance.
* Configuring and implementing **Security/NAT rules** on **Cisco ASA 7.x,8.x/PIX firewalls**.
* Maintaining **F5 load balancers**.
* Expertise in Managing **F5 Big IP GTM/LTM**appliances to include writing irules, SSL offload and creating **WIP** and **VIP**'s.
* Actively used smart view tracker for troubleshooting.
* Maintained Documentation (**Visio**'s), Configurations and Records management.
* Problem solving support for issues affecting B2B, Internet and VPN, Routing, traffic and log analysis.
* Experience in providing production support for **network issues**, **firewall related issues**, **access issues**.

**Environment:** Cisco Catalyst 2900/3500/ 3550/4500/6500 Switches, Cisco Nexus 7K, Cisco ASA Firewalls 5540/5550/5585. EIGRP, OSPF, BGP, HSRP, STP, NAT, LAN, WAN, GRE.

**Red centric, India.May 2009-Nov 2011**

**Network Support:**

**Responsibilities:**

* Configuring, maintaining and troubleshooting of **layer 3 routing and layer 2 switching**.
* Daily operations include configuring, monitoring and maintaining Cisco routers and switches in **LAN/WAN**, implementing**Access lists** (**ACL**).
* Updating **MS Visio** network drawings and managing IP address continuously for future references.
* Troubleshooting using **PING**, **TRACEROUTE** to check connectivity.
* Configured Routers with dynamic routing EIGRP, OSPF for external connectivity.
* Configuring **VPN** for remote access.
* Hand-on experience on installing, maintaining and configuring **HP printers**, **copiers**, servers and other networking devices with IP addresses.
* Good knowledge on **DHCP**.
* Troubleshooting desktops, servers, and laptops.
* Implementing **Windows NT domain**, **DNS services E-mail**, **Web** and **FTP services**.
* Configuring IP addresses using **VLSM/FLSM** to all devices in company.
* Implementing switch-port security features as per the company's requirement.
* Implementing **VLAN**'s using **DOT1Q/ISL** on Cisco switches.
* Troubleshooting **VLAN**, **VLAN Trunking**, **HSRP** and related issues.
* Maintaining redundancy on **Cisco 2600/2800/3600 routers** with **HSRP**.
* Worked on**Inflobox** to update the **DNS host**.
* Configuring routing protocols such as **OSPF, EIGRP and BGP** as required.
* Coordinated with client teams to figure out their network requirements.
* Interacting with vendors to solve **Technical issues**.

**Environment:**Cisco 2600/2800/3600 routers. LAN/WAN. OSPF, EIGRP, BGP. VLSM/FLSM.

VLAN Trunking/DOT1Q/ISL. DNS, DHCP, VPN. MS Visio.

**Rolta, India.(June2008- April 2009)**

**Network Support:**

**Responsibilities:**

* Installing **NT 4.0/2000** on **NTFS partition** with **DNS** and **WINS/ DHCP**.
* Configuring**TCP/IP**.
* Partitions are created and managed.
* Managing **DNS** and **DHCP** of headquarters and **DNS of field office**.
* Updating **Visio Drawings** time to time.
* Implementing **VLAN**'s, configuring **STP**,**RSTP** to avoid loops, **Creating Port channels**.
* Providing Technical support for issues at remote locations.
* **Updating IOS** on Cisco Catalyst series **switches 2900/3560/3750**.
* **ACL**'s are configured to prevent access to unauthorized users.
* Worked on **HP open view map** for **network management system** and **Ticketing**.
* Troubleshooting and maintaining PC's, **Cisco devices**.
* Updating IOS on Cisco routers and switches using **TFTP**.
* Providing support to remote offices to troubleshoot problems in **LAN/WAN**.
* Maintaining and Creating logs and reports for audit purposes.
* Handling **security related issues** and providing support.
* Excellent Customer Centric approach and troubleshooting skills.
* Providing knowledge sharing sessions for L1 team.
* Installed **Hard disks, CD Drives, Floppy Drivers, CPU, Memory, Power Supply unit, Network** and **Video Graphic cards on PC Systems.**
* **Web Filtering**, Categorizing **Proxies** and **Web Gateways**.
* **Updating** and **schedulingvirus checks** on desktops and servers.
* Replacing **failed hardware** and updating with software.

**Environment:** Cisco 2900/3560/3750 switches. TFTP, LAN/WAN, VLAN, STP, RSTP, TCP/IP,DNS, WINS/DHCP, STP, RSTP.