

Jignesh Kumar

Sr. Network Engineer - QSSI

Chicago, IL - Email me on Indeed: [indeed.com/r/Jignesh-Kumar/78c12051d0bcd342](https://www.indeed.com/r/Jignesh-Kumar/78c12051d0bcd342)

- Over 6 Years experienced Certified Network Engineer in design & implementation of Enterprise Networking configuration of Cisco Routers, Switches and Firewalls, troubleshooting & fine-tuning of Firewalls, VPN configuration, troubleshooting network related problems in Enterprise & Data Center Networks
- Around 5 years of experience implementing and configuring protocols such as HSRP, GLBP, VRRP, ICMP, IGMP, PPP, HDLC, PAP, CHAP, and SNMP
- Designing and configuring networking features such as VLAN, ISL, STP, VTP, 802.1X, Port Security, L2PT and SPAN
- Implementation of DNS and DHCP protocols and Configure Protocols MPLS: TDP, LDP, L2VPN, VPLS, ATOM, RSVP-TE, and QOS.
- Strong experience in 802.11, WEP, WAP, ATM, Frame Relay, IPv6, Ipsec
- Experience with administration of ASA firewalls in the DMZ and FWSM in the Server Farm to provide security and controlled/restricted access. Also, Firewall Administration, Rule Analysis, Rule Modification
- Experience working with design and deployment of MPLS Layer 3 VPN cloud, involving VRF, Route Distinguisher (RD), Route Target(RT), Label Distribution Protocol (LDP) & MP-BGP
- EIGRP/OSPF to BGP to WAN routing experience and converting Point to point circuits to MPLS circuits
- Hands-on experience on IP Addressing, Sub netting, VLSM and ARP, reverse & proxy ARP, Ping Concepts
- OSPF, EIGRP, BGP, Policy-based routing over Cisco Routers, configuring and troubleshooting route redistribution
- Implemented traffic filters using Standard and Extended access-lists, Distribute-Lists, and Route Maps, Cisco ASA firewall.
- Design and configuring of OSPF, BGP on Juniper Routers (MX960) and SRX Firewalls(SRX240)
- Experience with Racking, Stacking, configuring, Nexus 2K ,5K and 7K and working with High performance data center switch like nexus 7000 series
- Designed, Implemented and Troubleshot Cisco 3750, 3550, 3560, 2924, 6509-V-E, 6513, 6504, 6503, 6506, 6500 series switches.
- Configuration experience on Nexus 2000 Fabric Extender (FEX), which acts as a remote line card (module) for the Nexus 5000
- Design and configuring Overlay Transport Virtualization (OTV) experience on Cisco NX-OS devices like Nexus 7000
- Wireless equipment 5500, 7500 and 8500 series Cisco Wireless Lan Controllers(WLC)
- Performed IP address planning, designing, installation, configuration, testing, maintenance, and troubleshooting in complete LAN, WAN development
- Configured, installed, & managed DHCP, DNS, & WINS servers
- Experience with Load Balancers for administrating and monitoring global & local traffic
- Strong experience in Configuring F5 LTM 8950, 6900, VIPRION 2400 models
- Basic and advance F5 load balancer configurations, including migrating configurations from Cisco ACE to F5 and general troubleshooting of F5 load balancers.
- Installation & configuration of Microsoft Proxy Server 2.0 & Blue Coat Proxy
- Responsible for designing and deploying various network security & High Availability products like Cisco ASA and Checkpoint Firewall products.
- Experience in Checkpoint Firewall on SPLAT and VPN technologies, Stateful inspection, and Global rule base, address spoofing
- Hands on experience with Juniper EX-Series Ethernet Switches.

- Working knowledge of network monitoring/management tools like Wireshark, TCPdump, Cisco Prime, Net Flow, PRGT, Solar Winds.
 - Skilled in hardware, software, and networking technologies to provide a powerful combination of analysis, implementation, and support with the goal of full life cycle deployment
 - Knowledge of VoIP, Cisco Unified Communications Manager (CUCME), AAA, RADIUS, TACAACS+
 - Experience on Microsoft, VMware, Citrix, SolarWinds, Active Directory, Sharepoint, SAN/NAS
 - Upgraded the software images of all Cisco network devices to include routers, switches and ASA firewalls
- Willing to relocate: Anywhere
Authorized to work in the US for any employer

WORK EXPERIENCE

Sr. Network Engineer

QSSI - Columbia, MD - September 2015 to Present

Responsibilities:

- Configuring, Maintaining the Routers and Switches and Implementation of RIP, EIGRP, OSPF, BGP routing protocols and troubleshooting Remote infrastructure management of offices in different locations nationwide
- Experience working with market data networks and dealing with clients and deploying network designs
- Experience with convert PIX rules over to the Cisco ASA solution.
- Responsible for Cisco ASA firewall administration across our global networks
- Migration of existing IPSEC VPN tunnels from one Data Center to another Data Center, due to decom of existing Data Center, which involved working with Partner Companies.
- Design and configuring of OSPF, BGP on Juniper Routers (MX960) and SRX Firewalls(SRX240)
- Working with High performance data center switch like nexus 7000 series
- Worked extensively with Nexus 7000, 5000, 2000, Cisco 6500 series multilayer switches, Cisco 2960s series switches and Cisco 3560/3750s switches, Nexus 7010, 7018, 5020, 2148, 2248 devices and • Upgraded load balancers from Radware to F5 BigIPv9 which improved functionality and scalability in the enterprise. Managed the F5 BigIP GTM/LTM appliances to include writing iRules, SSL offload and everyday task of creating WIP and VIPs
- Wireless equipment 5500 and 8500 series Cisco Wireless Lan Controllers(WLC)
- Experience with converting WAN routing from EIGRP/OSPF to BGP (OSPF is used for local routing only) which also involved converting from Point to point circuits to MPLS circuits
- Installation & configuration of Microsoft Proxy Server 2.0 & Blue Coat Proxy
- Configured, installed, & managed DHCP, DNS, & WINS servers
- Experience with LAN protocols like STP, RSTP, MST, VTP, VLAN and Port Channel Protocols like LACP, PAGP
- Responsible for designing and deploying various network security & High Availability products like Cisco ASA and Checkpoint Firewall products.
- Used network monitoring/management tools like Wireshark, TCPdump, Solarwinds and worked on Juniper SRX/IDP and Checkpoint
- Involved in design and configuring Overlay Transport Virtualization (OTV) on Cisco NX-OS devices like Nexus 7000.
- Actively involved in switching technology Administration including creating and managing VLANs, Port security - 802.1x, Trunking 802.1Q, RPVST+, Inter-VLAN routing, and LAN security on Cisco Catalyst Switches 4507R+E, 6509-E and Cisco Nexus Switches 2232, 5596, 7009
- Upgraded the software images of all Cisco network devices to include routers, switches and ASA firewalls
- Prepared and maintained SOP's and technical documentation and network diagrams
- Adhered to weekly and monthly maintenance schedules to service network devices and associated equipment

Environment: Cisco routers (7200, 3800, 2800) and Cisco switches (6500, 3700, 4900, 2900), Nexus (7K, 5K & 2K) Routing Protocols (EIGRP, OSPF, BGP), Switching protocols (VTP, STP, GLBP, HSRP), Cisco PIX (525, 535), ASA (5505, 5510) firewall

Sr. Network Engineer

Jackson National Life Insurance - Lansing, MI - April 2014 to August 2015

Responsibilities:

- Responsible for configuration, maintenance, and troubleshooting of dynamic routing protocols: BGP, OSPF & EIGRP (route redistribution, distribute lists, route-maps, offset-lists, prefix lists, route summarization, route-feedback, BGP attributes) on Cisco Routers 7613, 7201, and 3945E.
- Working knowledge of frame relay, MPLS services, OSPF, BGP and EIGRP 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.
- Designed, Implemented and Troubleshot Cisco 3750, 3550, 3560, 2924, 6509-V-E, 6513, 6504, 6503, 6506, 6500 series switches.
- Installed, configured and managed Cisco routers such as 7200 series, 3800 series, 3700 series, 2800 series and Cisco Catalyst switch series 6500, 4500, 3500, and 2900.
- Upgraded the data center network environment with Cisco ASA 5520. Configured ACL's on Cisco Switches as well as configured routers as terminal servers
- Implementing 3750 Stackable switches using Cisco Stack Wise technology. Experience to review, evaluate current and future design issues as required maintaining network integrity, efficient data flow
- Worked on Layer 2 protocols such as STP, VTP, RSTP, PVSTP+, MST and other VLAN troubleshooting issues and configuring switches from scratch and deployment
- Involved in designing and implementing QOS and policy map to 2800 series routers for all the branches
- Experience with Branch Relocation: Connect workstation, servers, etc. Rack and stack Pre-configured new hardware and connect the circuits
- Worked with Carrier to test and turn-up circuits
- Performed IP address planning, designing, installation, configuration, testing, maintenance, and troubleshooting in complete LAN, WAN development
- Implemented the F5 BIG-IP Systems Link Controllers for full Optimization based on Utilization % and was ready for testing the Two T-3's ISP Communication Lines
- Involved in operations and administration of WAN consisting Ethernet Handoffs, T1, DS3, and Optic Fiber Handoffs
- Installed F5 BIG-IP LTM (Local Traffic Manager) for testing. Also installed modules APM (Access Policy Manager) and ASM (Application Security Manager) as well as Advanced Firewall Manager for future.
- Supported EIGRP and BGP based on the network by resolving level 2 & 3 problems of internal teams & external customers of all locations
- Experience with Racking, Stacking, configuring, Nexus 5K and 2K and 7K
- Installed wireless access points (WAP) at various locations in the company

Environment: Cisco Routers, Cisco Switches, Nexus 7k/5k/2k Routing protocols, F5, Load Balancer HSRP, VRRP, IPSEC VPN, VPN, QOS, ASA firewall, Load balancer, MPLS, VLANS, VTP, RSTP, ACL, NAT, IDS/IPS, SIP, RTP, RADIUS, TACACS+, Juniper SRX, ASR 9000, Catalyst 6500, CRS, Cisco ASR Firewall

Network Engineer

TCS - Lincolnshire, IL - May 2012 to March 2014

Responsibilities:

- Responsible for layer 2 securities which was implemented using a dedicated VLAN ID for all trunk ports, setting the user ports to non-trunking, deployed port security when possible for user ports
 - Design and configuring of OSPF, BGP on Juniper Routers (MX960) and SRX Firewalls(SRX240)
 - Hands on experience with Juniper EX-Series Ethernet Switches
 - Configuring and deployment of Juniper ERX310 router
 - Experience with working on juniper switches like EX2200, EX2500, QFX switch with Spanning tree.
 - Performed IP address planning, designing, installation, configuration, testing, maintenance, and troubleshooting in complete LAN, WAN development
 - Experience working with High performance data center switch like nexus 7K series
 - Experience working with Nexus 7010, 7018, 5020, 2148, 2248 devices
 - Worked extensively in Configuring, Monitoring and Troubleshooting Cisco's ASA 5500 with ACL, NAT, Object Groups, Failover, Multi-Contexts
 - Implemented Site-to-Site VPNs over the internet utilizing 3DES, AES/AES-256 with ASA Firewalls
 - Responsible for managing activities, Upgrading IOS -- Upgrading hardware and installing new devices, Tuning (Configuration), make standardization for the topology
 - Installation & configuration of Microsoft Proxy Server 2.0 & Blue Coat Proxy
 - Configured, installed, & managed DHCP, DNS, & WINS servers
 - Worked on network monitoring/management tools like PRGT, Net Flow, Cisco Prime, Solar Winds
 - Worked with Carrier to test and turn-up circuits
 - Installed wireless access points (WAP) at various locations in the company
- Environment: Cisco 3750 switches and Cisco 3825 Routers , Juniper SRX 240, JUNOS, J-Series 4350 Routers , Checkpoint 12400, Palo Alto 5060 , GAIA, RIP, OSPF, VPN

Network Engineer

Pfizer - Collegeville, PA - February 2011 to April 2012

Responsibilities:

- Installed, Configured and maintained Cisco Routers 2600, 3600, 7613 and Cisco Switches 3750, 4500 and 6500.
- Performed VSS on Cisco catalyst 6500 series switches
- Configured and managed Cisco access layer routers and switches & carried out route redistribution & manipulated route updates using distribute lists, route-maps & administrative distance, and offset-lists.
- Configured routing protocols like EIGRP, OSPF & BGP and troubleshooting layer3 issues
- Performed IP address planning, designing, installation, configuration, testing, maintenance, and troubleshooting in complete LAN, WAN development
- Responsible for upgrading end of life hardware, Netcache, Solaris/Checkpoint, and Solaris/Sun Proxy to the bank standard Bluecoat proxy. Separating traffic based on the line of business
- Built multiple POD in Virtualization environment using Cisco-UCS hardware in multiple Datacenters.
- Built the Cisco UCS hardware with 8 Blades on each Chassis with 5 different environments in 2 Data Centers with Active about 44 Chassis with 688 blade servers
- Designed and configured the UCS profiles and templates for multiple environments for like Server profile, LAN, and SAN & IP, MAC Pools, QOS, Various Policies and banners etc., with proper naming standards. Configure and build the ESXi 5 on the Cisco blades and chassis

Environment: Cisco Routers - 2600, 3600, 7613, Switches - 3750, 4500 and 6500 series and Cisco Firewall - ASA 5585-X, Checkpoint Firewall, Routing Protocols (EIGRP, OSPF, BGP), Switching protocols (VTP, STP, GLBP, HSRP)

Jr. Network Engineer

Datatel Networks - Hyderabad, ANDHRA PRADESH, IN - February 2010 to December 2010

Responsibilities:

- Migration of RIP V2 to OSPF, BGP routing protocols.
- Configured EIGRP for Lab Environment.
- Implemented ISL and 802.1Q for communicating through VTP.
- Working with Client teams to find out requirements for their Network Requirements.
- Designing solutions for frozen requirements using Cisco Routers and Switches.
- Documenting and Log analyzing the Cisco ASA 5500 series firewall.
- Monitor performance of network and servers to identify potential problems and bottleneck.
- Performed administrative support for RIP, OSPF routing protocol.
- Maintained redundancy on Cisco 2600, 2800 and 3600 routers with HSRP.
- Real time monitoring and network management using Cisco Works LMS.
- Provided technical support on hardware and software related issues to remote production sites.

Environment: Cisco Routers - 2600, 3600, 7613, Switches - 3750, 4500 and 6500 series and Cisco Firewall - ASA 5585-X, Checkpoint Firewall, Routing Protocols (EIGRP, OSPF, BGP), Switching protocols (VTP, STP, GLBP, HSRP)

SKILLS

CISCO (7 years), LAN (6 years), CHECKPOINT (5 years), EIGRP (5 years), DHCP (5 years)

ADDITIONAL INFORMATION

TECHNICAL SKILLS

Platforms MS Windows (7,Vista, XP, NT 2003, 2000, 9X Desktops; CE6.0)

Protocols

Ethernet, CDP, Frame Relay, IEEE [...] WIFI, ATM, EIGRP, IPv4/6, ARP, RIP, IPX/SPX, DNS, DHCP, FTP, HTTP, ISDN, IOS, SIP, SMTP, SNMP,UDP, Telnet, TFTP,TCP/IP LAN, WLAN, WAN

Hardware

Cisco (1700, 1800, 2600, 2800, 3600, 3700, 3800, 7200 and 7600 Series Routers; 2950, 2960, 3550, 3560E, 3750 and 3750E Catalyst LAN Switches), Wireless Controllers Cisco 5500, 7500, 8500 series, Access Points AP, Radiant Systems Servers S4600 and S337, POS Terminals [...] Pyxis Products

Others Checkpoint, Juniper SRX/IDP, Solarwinds (Monitoring), Palo Alto Firewalls