**JIGAR SOLANKI**

**Certified Network Engineer**

**CAREER SUMMARY:**

* Network Professional with around 7 years of experience in Designing and troubleshooting LAN, WAN, MPLS in Branch, Campus and Data Center environments.
* Expert level knowledge of troubleshooting, implementing, optimizing and testing of static and Dynamic routing protocols such as **EIGRP, OSPF, BGP**; ability to interpret and resolve complex route table problems.
* Expert Level Knowledge about **TCP/IP and OSI models**. In-depth expertise in analysis, implementation, troubleshooting & documentation of LAN/WAN. Good knowledge on **Juniper models EX-2200, EX-4200, EX-4500, MX-480, M Series, SRX210 and SRX240.**
* **Cisco ASA/Checkpoint Firewall troubleshooting** and policy change requests for new IP segments that either come on line or that may have been altered during various planned network changes on the network.
* Experienced in installation, configuration and maintenance of **Cisco ASR 9K, 7200, 3900, 2800, 2600, 2500 and 1800 series Router/Cisco Nexus 7010, 5548, 2148 Catalyst Cisco 6500 (sup 720), 4500 (SUP 6), 3750, 2950 series Switches.** Also worked with the **physical server migration to AWS data center** Involved in designing and implementation of AWS network and connectivity b/w physical and AWS DC.
* Experience configuring **Nexus 7k, 5k and 2k** switches. Proficient in Cisco IOS for configuration & troubleshooting of routing protocols: **MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4, MPLS.**
* Hands on Experience testing iRules using Browser (IE), HTTP watch, curl, Scripts (shell/batch file/Perl) and host files. Configuring and testing Multicast for both IPv4 and IPv6 routing in Data Environment Technical Knowledge on Cisco DMZ, **ASA 5500 series firewalls.**
* Knowledge of implementing and troubleshooting complex layer 2 technologies such as VLAN Trunks, VTP Ether channel, STP, RSTP and MST.
* Experience in troubleshoot network issues including boundary protection devices and Bluecoat Proxy Servers.
* Experience with F5 load balancer administration and support.
* Proficient in management and troubleshooting of **Check Point firewalls, Palo Alto Firewalls, F5 Load Balancers and BlueCoat Packet Shaper systems.**
* Configuring **Cisco routers and switches** to enable and troubleshoot a variety of features such as trunk, Vlan's, Ether channel, port security, routing protocols including EIGRP, OSPF & BGP and other related technologies such as multicasting & IP Telephony.
* Experience using Cisco ASR 1K, 9K series switches. Experience working with JUNOS OS on Juniper Routers and Switches.
* Efficient use of Microsoft VISIO/Office for technical documentation and presentation tools.

**EDUCATION:**

Bachelor’s in Computer Science, Gujarat Technological University, India

**CERTIFICATIONS:**

CCNA (Routing & Switching) – Cisco Certified Network Associate

**TECHNICAL SKILLS:**

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| **Routers** | Cisco 7600, 7200, 3800, 3600, 2900, 2800, 2600,1800,1700, ASR 9K series |
| **Routing Protocols** | OSPF, EIGRP, BGP, MP-BGP, RIP, Route Filtering, Redistribution, Summarization, and Static Routing |
| **Switches** | Nexus 2K/3k/5K/7K, Cisco Catalyst 2900, 3500, 3550, 3800, 4500, 6500 |
| **Switching** | LAN, VTP, STP, PVST, RPVST+, Inter VLAN routing, Multi-Layer Switch, Ether channels, Port Security |
| **LAN/WAN Technologies** | Ethernet (IEEE 802.3), Fast Ethernet, Gigabit Ethernet, PPP, (T1/T3) Circuits, ASE circuit, Frame Relay |
| **Gateway Redundancy** | HSRP, VRRP and GLBP |
| **DHCP and DNS** | Infoblox |
| **Load Balancers** | F5 Big-IP |
| **Security** | Cisco ASA Firewalls (Cisco ASA – 5505, 5510, 5515, 5520), Checkpoint, Policy based routing, VPN Configuration, Websense Internet Content Filtering, IPSec, IDS/IPS, Wireshark as Network Analyzer, Cisco Packet Tracer, Cisco VPN client and Virtual Box |
| **Various Features & Services** | NAT, SNMP, SYSLOG, NTP, DNS, DHCP, TFTP, FTP, HTTP/s |
| **AAA Architecture** | TACACS+, RADIUS |
| **Network Management** | Solarwinds, Splunk |

**WORK EXPERIENCE:**

**Wachter Technologies, Mt. Laurel, NJ May’2018–Till Now**

**Sr. Network Engineer**

**Roles and Responsibilities:**

* Configuring, Maintaining the Routers and Switches and Implementation of Static, EIGRP, OSPF, BGP routing protocols and troubleshooting Remote infrastructure management of offices in different locations nationwide.
* Perform configuration and maintenance of LAN, WAN, WLAN, Data Center networks that included Routing, Switching and Network Security.
* Configured EIGRP, OSPF, and BGP on Cisco Routers.
* Configuring and implementing of Composite Network models consists of Cisco 7600, 7200, 3800 series and ASR 9k routers and Cisco 2950, 3500, 3550, 3750, 5000, 6500 series switches.
* Configuring & managing around 250+ Network & Security devices that include Cisco ASA firewalls, Nexus and Catalyst switches, Routers and Wireless controller and Acces Points.
* Deploying and decommissioning the VLANs on core ASR 9K, Nexus 5K and its downstream devices.
* Working on Cisco 6509 and 4507 series switches for LAN requirements that include managing VLANs, Port Security and troubleshooting LAN issues.
* Experience with Cisco Nexus routers, switches, firewall, ASA firewall and F5 Load Balancers Proven track record of high performance and initiative.
* Configured and deployed VDC and VPC between Nexus 7018 and Nexus 5548 switches along with FEX 2248. Have a good understanding of Fabric Path.
* Involved in the configuration & troubleshooting routing protocols like MP-BGP, OSPF, EIGRP, RIP, BGP v4, and MPLS.
* Good knowledge on Juniper MX series Firewalls and Checkpoint R77, 76 Firewalls, Juniper SRX 240 Firewall .
* Assisted in MPLS migrations, implemented a backup for the existing WAN connection using site- to-site IPsec VPN tunnels.
* Worked extensively in configuring, Monitoring and Troubleshooting Cisco's ASA 5500/PIX security appliance, Failover DMZ zoning & configuring VLANs/routing/NATing with the firewalls as per the design.
* Handling Datacenter detail work including equipment examination and document review.
* Good knowledge of AAA Security: TACACS+, RADIUS implementation in an Access Control Network.

**UCDavis, Davis, CA Feb’17-Apr’18**

**Network Engineer**

**Roles and Responsibilities:**

* Deploying and commissioning of VLANs on core Nexus 7K, 5K and its downstream devices.
* Configured PPP, BGP, MPLS and OSPF routing.
* Troubleshoot and monitor logs using SPLUNK.
* Assisted in MPLS migrations, implemented a backup for the existing WAN connection using site-to-site IP sec VPN tunnels.
* Troubleshoot the Network Issues onsite and remotely depending on the severity of the issues. For instance, issues related to VLAN, VLAN Trunking, HSRP failovers and NAT configuration.
* Used multiple network monitoring tools such as Cisco Works, Wireshark and Solarwinds to troubleshoot network issues for end-users.
* Configuring HSRP between VLANs, Configuring Ether-Channels, Port Channel on 6500 catalyst
* Daily management and troubleshooting of multi-site WAN with Bluecoat Proxy.
* Configured DNS/DHCP Servers to be implemented on remote site.
* Maintained complex LAN/WAN networks with several VLANS and provided support for routing protocols and also providing secure sessions over Internet using IPsec and SSL encryption.
* Hand-on experience with critical network services such as DNS & DHCP, AD, Radius, TACACS, SMTP.
* Worked with Palo Alto firewalls using Panorama performing changes to monitor/block/allow the traffic on the firewall.
* Responsible to evaluate, test, configure, propose and implement network, firewall and security solutions with Palo Alto networks.
* Deployed and maintained security/ network devices and data centers for Service provider network.
* Designed and implemented DMZ for Web servers, Mail servers & FTP Servers.
* Migration of servers from one datacenter to another, providing switch connections to the new servers.
* Worked extensively in configuring, Monitoring and Troubleshooting Cisco's ASA 5500/PIX security appliance, Failover DMZ zoning & configuring VLANs/routing/NATing with the firewalls as per the design.

**FINRA, Rockville, MD Sep’15-Dec’16**

**Network Engineer**

**Roles and Responsibilities:**

* Involved in the configuration & troubleshooting of routing protocols: BGP, OSPF. Configured IP access filter policies.
* Configured PBR policy based routing and floating static routes.
* Identify, design and implement flexible, responsive, and secure technology services
* Experience with Firewall Administration, Rule Analysis, Rule Modification
* Created and provisioning Juniper SRX firewall policies.
* Created standard access lists to allow SNMP, NTP and logging servers.
* Documented new VPN enrollments in a database and create standard procedures for further improvement.
* Experience in designing MPLS VPN and QoS for architecture.
* Worked on networking spoofing tools such Wireshark.
* Troubleshoot traffic passing managed firewalls via logs and packet captures
* Managed fast Layer 3 switched/routed LAN/WAN infrastructure as a part of Network team. The LAN consisted of Cisco campus model of Cisco 3550 at access layer, Cisco 6513 at distribution/core layer.
* Configured GLBP and VLAN Trunking, 802.1Q, STP, Port Security on Catalyst 6500 switches.
* Generating RCA (Root Cause Analysis) for critical issues of layer1/layer2/layer3 problems.
* Co-ordinate with the Data Network and Security team and came up with possible solutions.
* Work on Physical site Inventory verification, gather information of various Cisco Network devices and Security Devices to develop Run book.
* Completed service requests (i.e. IP readdressing, bandwidth upgrades, IOS/platform upgrades, etc.)
* Experience with developing complex network design documentation and presentations using VISIO.
* Monitoring and troubleshooting network issues between client site and 85 remote sites with legacy switches and routers.
* Performed and presented network analysis as a part of network migration. Involved in knowledge transfer to vendors and provided them network support as required
* Configuration and maintenance of EIGRP and BGP network on router 7200 and 6500 MLS.
* Configuration and maintenance of 3750 stack for improved efficiency of the data plane.
* Configuration and management of NEXUS network in the existing network infrastructure.

**Microtel Net links Pvt. Ltd – Surat, India Aug’12-Jul’15**

**Jr. Network Engineer**

**Roles and Responsibilities:**

* + Monitoring, analysis, troubleshooting support for production, enterprise, and global network
  + Provide LAN/WAN operational support for large international and domestic 24/7 network.
  + Created statistical reports on network performance, utilization of network circuits, equipment.
  + Tuning, maintenance and monitoring of routers, switches and firewalls.
  + Build configurations as needed or by request from engineering and architecture group.
  + Coordination, implementation and verification of Network Change Controls.
  + Administration of Network tools such as Network Node Manager, Solarwinds and Cisco Works.
  + Proactive analysis of Network infrastructure and suggestions for engineering enhancements.
  + Responsible for writing, creating, editing, delivering all project related documentation to the client, including Node Configurations, Router/Switch Configurations, Visio Diagrams etc.
  + Capacity Planning and Management.
  + Hands on experience with Cisco 6500 Series and 3750 Series Network Devices.
  + Hands on experience with EIGRP as an IGP; BGP as an EGP.
  + Performed IOS Upgrades for new network devices being implemented to the network infrastructure.
  + Performed troubleshooting, fault isolation, and root cause analysis.
  + Performed Data Center Implementation and Support related duties.