**Venkata K Reddy**

**404-870-7655**

**daniel@idrilservices.com**  **Sr. Network Engineer**

**SUMMARY:**

* Over all **8 years** of experience in networking, installing, configuring and maintaining network devices.
* Passionate, diligent and focused Engineer working as a Network Engineer / System admin.
* Technical knowledge &amp; proficiency in system administration network maintenance, hardware maintenance, operating systems and the willingness to learn and effectively apply new technologies.
* Demonstrated problem analysis/ resolution skills, ability to troubleshoot, solve problems quickly &amp; completely Good exposure to a comprehensive range of team activities, thrive on working in challenging environment.
* Knowledge of implementing and troubleshooting complex layer 2 technologies such as VLAN Trunks, VTP, Ether channel, STP, RSTP and MST.
* Configured security policies including NAT, PAT, and VPN, Route-maps, Prefix lists and Access Control Lists.
* Extensive experience in WAN Technologies, Switching Technologies along with Failover Mechanisms and Inter Vlan Routing types.
* Strong hands on experience in installing, configuring and troubleshooting network hardware
* Good knowledge with the technologies VPN, WLAN and Multicast.
* Extensive experience in configuring and troubleshooting of protocols RIP v1/v2, EIGRP, OSPF, BGP and MPLS.
* Implementation of HSRP, VRRP for Default Gateway Redundancy
* Expert knowledge in implementing filters on routes using Standard and Extended access-list.
* Experience in site-to-site and remote access VPN solutions.
* In depth understanding of IPV4 implementation of Subnetting.
* Troubleshooting on network problems with Wireshark, identify problem and fix
* Identify, design and implement flexible, responsive, and secure technology services
* Logs and triages defects and test multiple mobile devices across multiple applications.
* Responsible for advanced troubleshooting skills and experience in resolving complex network problems.
* A highly organized individual who adopts a systematic approach to problem solving, effectively analyzes results and implements solutions.
* Highly motivated with the ability to work independently or as an integral part of a team and committed to highest levels of professional.
* Experience with Change management process and Project documentation tools like Excel and VISIO.
* Worked on network topologies and configurations, TCP/IP, UDP, Frame Relay, Token Ring, ATM, bridges, routers, hubs and switches.
* Well experienced in configuring HSRP, GLBP, ICMP, PPP, PAP, CHAP and SNMP.
* Experience in installing and configuring DNS, DHCP server.
* Excellent communication skills, enthusiastic, motivated and a team player

**EDUCATION:**

* Bachelor’s Degree in Electrical and Electronical Engineering, India.

**TECHNICAL SKILLS:**

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| Routing Technology | RIPV1, RIPV2, IGRP, EIGRP, IS-IS, OSPF, BGP. |
| Network Products | CISCO Routers 1700, 1800, 2500, 2600, 2800. CISCO High End Routers 3600, 3800, 7200, 12010, 12404. CISCO Switches 1900, 2950, 2950, 2960G. CISCO Campus Switches 3550XL, 4948 Core Catalyst 4503, 4507 RE, Catalyst 6500/6503/6507,Nexus 2000, 5000, 7000 series |
| Antivirus & Endpoint protection | Cisco CSA, Symantec Enterprise Edition, MacAfee Enterprise Edition. |
| Security & VPN | ASA 5505 Firewall, AIP SSM, CSC SSM, FWSM, Fortigate, Cisco CSM, ACL-Access Control List, IPS/IDS, NAT, PAT, Cisco ACS, Juniper Net Screen firewall, Palo Alto Firewalls, Windows Patch Management (WSUS). |
| LAN Technology | IEEE 802.11, Token Ring, Workgroup, Domain, HSRP, DNS, Static, VLAN, STP, VTP, Ether Channel, Trunks. |
| WAN Infrastructure | Leased Line, ISDN/Dial-Up, Frame Relay circuits, Metro Ethernet. |
| WAN Technologies | HDLC, PPP, ATM, SONET, MPLS, VPN, IPsec-VPN. |
| Wireless  & Wi-Fi | Canopy Wireless Device (point to point/point to multipoint), DLink Wireless (point to point), DLink Access Point, CISCO 1200 series Access Point, and Linksys Wireless/Wi-Fi Router. |
| Operating Systems & Tools | Cisco IOS, Windows NT 4.0 (Desktop/Server), Windows 2000/2003/2008 Server, Windows XP/Windows 7/8, LINUX, Solaris, Active Directory, Apache Server, MS Exchange server, VERITAS Volume Manager. |

**Areas of Expertise include**

* Routing and switching infrastructure design and implementation based on ASR 1000.
* Network migration planning & design.
* WAN optimization design and implementation biased on Bluecoat interceptors.
* Branch office WAN design based MPLS, VPLS, DMVPN, IPsec VPN.
* Security Firewall infrastructure design and implementation (CiscoASA)
* Preparation of Network Low Level and High level Design documents.
* Preparation of Network deployment and installation plan documents
* Preparation of Network Architecture Diagrams
* Creating neat complex Visio network physical and logical topologies.

**Layer 2 Switching**

* Extensive Working Experience of Advanced Switch Configuration and Management,
* Designed and implemented VLANs, 802.1Q Trunking, VTP, STP and RSTP, Inter-VLAN routing for campus/ Datacenter LAN networks and mid-size Corporate Networks.
* Designed and implemented Spanning-Tree Feature - Port Fast, Backbone Fast, Uplink Fast Loop Guards, BPDU Guards, Root Guard’s, loop-guards.
* Designedand Configured HSRP, VRRP, GLBP, and Ether-**Channel for network redundancy and load-balancing.**

**Layer 3 Routing**

* Good Experience in IP Addressing &Subnetting,Route Summarization, Route Redistribution and NAT/PAT.
* Experience in Design, implementation and configuration of routing protocols OSPF and EIGRP
* Configured BGPv4, for path influence basedon as-path prepending, local-preference, communities, bgp route -aggregation.
* Worked on various ISR and Cisco ASR1002 routers ,configuring SPA modules and configuring for Customer edge Routing for MPLS and VPLS
* Good knowledge on different WAN Topology provided by the service provided based on their benefits and QoS implementations
* Design and configuring experience on WAN optimization based on Bluecoat 900-45 and Optimizing streaming traffic.

**Security**

* Configuring experience on Cisco ASA 5585, 5525 and Fortigate Firewalls 300c
* working and implementation experience on IPSEC L2L VPN, working knowledge on DMVPN and GET VPN
* Configured access-lists for application traffic control**on Cisco ASA, Testing it with Packet-tracer**

**Network Monitoring**

* Experience in Network Design, troubleshooting (nmap, Wireshark), Fine Tuning, Implementation and day-to-day maintenance Activity.

**PROFESSIONAL EXPERIENCE:**

**Client: Johnson Controls Inc., Milwaukee, WI Jan 2016 to Till Date**

**Role: Senior Network Engineer**

**Responsibilities:**

* Experience configuring Virtual Device Context in Nexus 7010 Installation and maintenance of Cisco Layer 3 switches 3750, 4500X, 6500 in multi VLAN environment.
* Part of a team where electronic design verification testing of two generations of Cisco Edge ASR 9922 router Setup complex IP-Traffic test topologies to stress the system and functional blocks of ASR 9K routers.
* Performed failure analysis for Cisco Edge ASR 9K 9922 router.
* Involved in migration from Site-to- sire GRE tunnels network to MPLS-based VPN for customer’s WAN infrastructure.
* Involved in Switching Technology Administration including creating and managing VLANS’s, Port security, Trunking, STP, Inter VLAN routing , LAN security etc.
* Configured BGP, EIGRP and OSPF and Policy based Routing, Involved in complete LAN, WAN development (including IP address planning, designing, installation, configuration, testing, maintenanceetc.).
* Worked with different ISP’s regarding circuit activations.
* Streamlined successful integration of networks. Initiated multiple technical projects that improved performance and business functionality.
* Oversee network and equipment upgrades to include IOS, CatOS image upgrades, and configurationchanges.
* Configured and supported multiple remote site installations.Migration from ASR1002-X Routers to ASR 1006.
* Generating Network Metric Reports using Solar winds.
* Worked on Service Now for change management approvals.

**Client: Bank of America, Charlotte, NC Dec2013 to Dec 2015**

**Sr. Network Engineer**

**Responsibilities**

* Performed varied technology functions ranging from managing 2 IBM 3090 mainframes running VM and MVS to managing 250+ corporate wide servers, and network management. Analyzed network performance reports to identify potential problems and provide rapid resolution. Planned and implemented new network services.
* Evaluated and documented business requirements implementing appropriate solutions to address those needs.
* Minimized downtime and transition problems during move of entire data center across town to new facility completed in its entirety within 24 hours.
* Established disaster recovery plan capable of consistent reliability.
* Provided ongoing support for data networks consisting of Cisco 2500, 2600, 3600, 4500, and 7000 routers.
* Supervised the specification, procurement, installation, and configuration of all computing and networking hardware required to complete an Oracle Financials implementation.
* Administered Citrix Metaframe, Microsoft Windows NT, Windows Terminal Server, Exchange Server, and Proxy Server in a multi-server, multi-domain environment. This includes regular Windows NT performance monitoring and tuning on 125+ COMPAQ Proliant servers in a multi-domain, Internet connected environment.

**Client:Sony Corp, New York Oct 2011 to Oct 2013**

**Role: Network Engineer**

**Responsibilities**:

* Configuration and maintenance of customer networks according to their requirements.
* Configuration of RF devices such as Subscriber Units and Access Points and troubleshooting of customer WAN issues.
* Implementation of customer network, which includes configuration of routing protocols, Leased lines, ISDN lines, IOS installations, Password recovery.
* Checking of Cisco products like 1600/1700/2500/2600/3600 series Routers, 1900/2900/3600 series Switches and 515e PIX Firewalls.
* Monitoring customer data networks and providing fault isolation and remote troubleshooting.
* Experience on designing and troubleshooting of EIGRP routing issues
* Responsible for the management of network at the client environment
* Supporting and performing projects for the client WAN environment at a global level
* Implementation of network system upgrades and modifications including planning, testing, scheduling and coordination. Ensures that change management and defined security procedures for all network systems are executed in accordance with customer policies and procedures.
* Checking for RAD and ASCOM modems, Network Modules, WAN cards, Voice cards, cisco cables.

**Client: HDFC Bank, India June 2008 to July 2011**

**Role:Jr. Network Engineer**

**Responsibilities:**

* Managed the LAN Switching Environment including creating and maintaining VLANs, STP, Trunking, Port Security, Vlan Security etc.
* Assisted in migrating existing server and network infrastructure from HQ to a data center for optimal functionality and management.
* Involved with the Systems team to Install, configure, &amp; maintain DNS, DHCP on Windows 2000/2003 Server, also configured a FTP server; Installed configured &amp; maintained MS Exchange Server.
* Set up and troubleshoot secured wireless access points for broadband Internet.
* Install LAN/WAN &amp; wireless infrastructure and also Deploying and decommissioning of Cisco Routers, Cisco switches and their respective software upgrades.
* Involved in configuration of WAN connection using a 3600 series Router and Frame relay method.
* Implementation of NAT with a pool of 2 public IP addresses.
* Responsible for Internal and external accounts and, managing LAN/WAN and checking for Security Settings of the networking devices (Cisco Router, switches) co-coordinating with the system/Network Administrator during any major changes and implementation.
* Remotely managing client computers by using remote tools like VNC, Dame Ware and Team viewer.
* Troubleshoot networks, systems, and applications to identify and correct malfunctions and other operational difficulties. Identified, analyzed, and repaired product failures.
* System Monitoring and performance tuning of Desktop systems. Checking the Mailbox size of all Clients according to Mailbox Quota and archiving in Server for Backup.
* Installed new software releases, system upgrades, and evaluated and installed patches and resolved software-related problems. Performed system backups and recovery using Backup Exec. Maintained data files and monitored system configuration to ensure data integrity.
* Assure that Service tickets are open and closed on a timely manner to meet SLA requirements.