

# Kranti Gadipudi

## Network Engineer - Select Computing Inc Baltimore MD

Columbia, MD - Email me on Indeed: [indeed.com/r/Kranti-Gadipudi/35312ce34bb3f60f](https://www.indeed.com/r/Kranti-Gadipudi/35312ce34bb3f60f)

- CCNP certified network engineer with 6+ years of experience in IT industry which includes expertise in the areas of Virtualization, Routing, Switching, Firewalls management, VPN management, and Administration and troubleshooting.
- Experience working with Cisco Nexus2148 Fabric Extender and Nexus 5000 series to provide a Flexible Access Solution for a datacenter access architecture
- Performed various configurations using the CISCO SDM like configuring VPN, Security Audits, Firewalls, VLANs.
- Hands on experience in troubleshooting and deploying of various IP Routing Protocols EIGRP, RIP v1/2, OSPF, IS-IS & BGP.
- Implemented security policies using ACL, Firewall, IPSec, VPN, AAA Security TACACS+, and RADIUS on different series of routers.
- Implementation of DHCP, DNS, FTP, TFTP, Frame Relay, MPLS, ATM, ISDN.
- Juniper: EX-2200, EX-4200, EX-4500, MX-480, M Series, SRX210, SRX240.
- Ability to manage all phases of network installation and administration.
- Excellent customer management/resolution, problem solving and debugging skills with good verbal/written communications and presentation skills.
- Experience with convert PIX rules over to the Cisco ASA solution.
- Responsible for Cisco ASA firewall administration across our global networks
- Design, implement, test, tuning of LAN/WAN, including Windows [...]
- Install/Configure Cisco 2500, 2600, 2800, 3600, 7200, 7600 routers.
- Excellent skills to implement VLANs, private VLANs, Voice VLANs, Port security, STP and RSTP (802.1W), DTP, Root Guard, BPDU Guard, Port Fast, Uplink Fast, Backbone Fast, Ether Channel, PAGP, LACP, standard and extended access lists for managing access based security, creating root views for administrative privileges.
- Extensive knowledge of deploying & troubleshooting TCP/IP, Implementing IPv6, Transition from IPv4 to IPv6, Multilayer Switching, UDP, Fast Ethernet, Gigabit Ethernet, Voice/Data Integration techniques.
- Experience working with Nexus 7010, 5020, 2148, 2248 devices.
- Well organized, Self starter, Quick learner, Self Motivated, Team player with analytical, technical and communication skills.
- Configuring the Network Admission Control (NAC).
- Experience in working with Cisco Nexus Switches and Virtual Port Channel configuration.
- Experience in Network analysis and capacity planning using tools like sniffer, Wireshark, Ethereal and tcpdump.
- Experience in testing Cisco routers and switches in laboratory and deploy them on site production
- Excellent customer management/resolution, problem solving, debugging skills and capable of quickly learning, effectively analyzes results and implement and delivering solutions as an individual and as part of a team.

Willing to relocate: Anywhere

Authorized to work in the US for any employer

### WORK EXPERIENCE

#### Network Engineer

Select Computing Inc Baltimore MD - Baltimore, MD - February 2017 to Present

Responsibilities:

- Implemented and Maintained Routing Protocols EIGRP and OSPF in the Network.
- Spearheaded meetings & discussions with team members regarding network optimization and regarding BGP issues.
- Handled switching related tasks included implementing VLANS, VTP and configuring Fast-Ethernet channel between switches.
- Configured Client VPN technologies including Cisco's VPN client via IPSEC.
- Was responsible for designing and implementation of customer's network infrastructure.
- Supported the telephony specialist in the phased migration from PBX based systems to VOIP. Configured separate VLAN for VOIP to implement QoS and security for VOIP.
- Designed, Implemented and configured HSRP on different location of office on the switched Network and Managed the Entire multilayer switched network.
- Experience with Checkpoint Firewall policy provisioning.
- Configured and Maintained the Local Network using 2900, 6500 series Switches and 2800 series Routers. Configured and installed the 3600 series Router.
- Achieved proficient in Adaptive Security Device Manager (SDM) and used it while performing security audit on routers.
- Configured Firewall logging, DMZs and related security policies and monitoring.
- Designed perimeter security policy; Implemented Firewall ACL's; Allowed access to specified services; Enabled IDS/IPS signatures in Firewall & fine-tuned TCP & UDP.
- Involved in Installing and Configuring a Cisco secure ACS server for AAA authentication (RADIUS/TACACS +).
- Used load balancers ACE and load balancing technique with multiple components for efficient performance and to increase reliability through redundancy.
- Created effective network security by migrating from Check Point FW-1 NG to ASA 5510 Firewalls.
- Configured Cisco 7204 routers which were also connected to Cisco ASA Firewall (5505) security appliances providing perimeter based firewall security.
- Implemented Site-to-Site VPNs over the Internet utilizing 3DES, AES/AES-256 with ASA Firewall 5505.
- Configured Protocol Handling, Object Grouping and NAT on ASA Firewalls (5505).
- Involved in migration from Frame-Relay/ATM network to MPLS-based VPN for customer's WAN infrastructure.
- Troubleshoot latency and throughput issues on MPLS and Dedicated Internet Access circuits.

Environment: EIGRP, OSPF, BGP, VLANS, VTP, VPN, IPX, VOIP, HSRP, Checkpoint, Adaptive SDM, ACL, RADIUS, TACACS, MPLS.

## **Network Engineer**

CMS Energy Grand Rapids MI - Grand Rapids, MI - May 2016 to February 2017

Responsibilities:

- Involved in rule management like loading rules, writing rule syntax using TCL language
- Responsible for Cisco ASA firewall administration across our global networks
- Experience with configuring FCOE using Cisco nexus 5548.
- Configuring Virtual Chassis for Juniper switches EX-4200, Firewalls SRX-210
- Troubleshoot traffic passing managed firewalls via logs and packet captures
- Write test cases from a variety of documentation types; business requirements, system requirements & design documentation
- Installation and maintenance of windows 95/98/NT/2000/2003 client operating systems, hardware/software upgrades and network administration.

- Designed, Installed and supported Installation and configuration of office-wide LAN. Installation of windows servers to provide inter-office Email and Shared Internet Access
- General desktop support, assisted web development and Exchange server administration, Provided graphic work.
- Responsible for configuration of Cisco devices and troubleshooting. Worked on expansion and maintenance of network supporting hundreds of web hosting clients.
- Installation and configuration of DHCP and DNS servers.
- Configuring NAT, Dynamic NAT, inside Global Address Overloading, TCP, overload, distribution, Overlapping Address Translation.
- Configured CISCO ROUTERS (2500, 3000, 4000, and 7200) with RIP, EIGRP, and OSPF.
- Identify, design and implement flexible, responsive, and secure technology services
- Experience with Firewall Administration, Rule Analysis, Rule Modification
- Responsible for CheckPoint and Cisco ASA firewall administration across our global networks.
- Extensive work on creating VLANs and maintaining VLAN database throughout the network using VTP.
- Configuring and troubleshooting inter VLAN routing with 802.1Q trunking and L3 switches.
- Worked on STP to block redundant links for a loop free network
- Worked on WAN connectivity between CISCO routers using T1, T3, Frame relay and troubleshooting connectivity issues.
- Worked extensively on network testing and troubleshooting.
- Extensively worked on creating security Policies and implementation plans for an improved Security solution.
- Installation and configuration of CISCO VPN concentrators 3000 for VPN tunnel and implementation of SDM for IPSec VPN.
- Design and create dedicated VLANs for voice and data with QOS for prioritizing VOICE over data on catalyst switches and basic VOIP configuration.
- Testing and migrating locations from hub and spoke topology to MPLS.

Environment: irule, FCOE, DHCP, DNS, Dynamic NAT, Firewall Administration, Rule Analysis.

## **Network Engineer**

Insite Services - White Plains, NY - August 2015 to May 2016

Responsibilities:

- Served as a main escalation point of contact for level II personnel.
- Coordinated with higher-level support and external vendors for resolution.
- Monitored Network Management System and responded to events, alarms and trouble tickets.
- Coordinated and managed events and trouble tickets related to network failures and thus followed by technical support which included problem determination, customer notification and updates with regard to escalation(s).
- Migrated from Frame-Relay/ATM network to MPLS-based VPN for customer's WAN infrastructure.
- Run scheduled Virus Checks & Updates on all Servers & Desktops.
- Involved in new desktop, laptop and printer deployment as well as service, repair, and inventory management of peripherals, and equipment.
- Included network services such as DNS, email, web, Servers, VPN and Firewall.
- Configured Nortel LAN 5530 and Nortel Chassis 8606/8610 Switches.
- Troubleshooting latency and throughput issues on MLPS and Dedicated Internet Access circuits.
- Involved in installation of 3845 series Routers at branch office edge and 7604 series router at the Zonal office Edge. These were the CE equipment for MPLS, configured BGP on CE for route advertisement To PE.
- Worked with convert Checkpoint VPN rules over to the Cisco ASA solution. Migration with both Checkpoint and Cisco ASA VPN experience.
- Troubleshoot TCP/IP problems; troubleshoot connectivity issues in multi-protocol Ethernet, Environment.

Environment: Monitored Network Management System, Frame-Relay, Nortel LAN 5530, Nortel Chassis, BGP.

## **Network Engineer**

Reliance Infocom India - April 2011 to May 2015

Responsibilities:

- Involved in configuration and management of different Layer 2 switching tasks which includes address learning, efficient switching etc.
- Involved in HSRP standby troubleshooting and load balancing protocol GLBP, Port channel management of the network
- Provisioning and troubleshooting Ethernet services, Gigabit networks and Connectivity issues with WAN types (T1, E1, DS3, and Frame relay) data circuit debugging.
- Experience MPLS connectivity using VRF id and have broad knowledge on multi-protocol label switching for (MPLS-VPN) and traffic engineering (MPLS-TE)
- Configured firewall filters, routing instances, policy options, on Juniper m320 and T640
- Dealt with the escalation problems from Level1, Level 2 & Level 3 for routing, switching and WAN connectivity issues using ticketing system Remedy.
- Designed VLAN's, access lists (ACL), troubleshooting IP addressing issues and Updating IOS images and other hardware installations
- Experience in troubleshooting VLAN, STP (Spanning tree protocol), & Switch Trunk and IP subnet issues
- Dealt with NAT configuration and its troubleshooting issues related access lists and DNS/DHCP issues within the LAN network.
- Involved in Configuration of Access lists (ACL) on checkpoint firewall for the proper network routing for the B2B network connectivity.
- Experience in routing protocols like OSPF, BGP, and standby protocols like HSRP and VRRP application in the routers

Environment: HSRP, GLBP, Port Channel Management, Data Circuit Debugging, Spanning Tree Protocol.

## **EDUCATION**

JNTU

## **SKILLS**

BGP (5 years), Ethernet (5 years), LAN. (5 years), MPLS (6 years), VPN (6 years), Switches (6 years), Routers (6 years), Firewalls (5 years)

## **CERTIFICATIONS/LICENSES**

**CCNA**

**CCNP**

## **ADDITIONAL INFORMATION**

### **TECHNICAL EXPERTISE:**

Routers Cisco 7600, 7606, 7609, 7200, 4400, 3900, 3800, 2900, 1900, ASR 5500, ASR 9010, 7206 VX, MWR 2941, Juniper ACX, MX960 and SRX 240 series.

Routing RIPV1, RIPV2, IGRP, EIGRP, OSPF, BGP, Route Filtering, Redistribution, Summarization, and Static Routing.

Switches 2900 series, 3560, 3750, 4500, 6500, Nexus 7000, Nexus 6000, Juniper EX, QFX series, Avaya switches.

Switching

LAN, VTP, STP, PVST+, RPVST+, Inter VLAN routing & Multi-Layer Switch, Multicast operations, Layer 3 Switches, Ether channels, Transparent Bridging.

Network Management

Network Troubleshooting, Hardware Troubleshooting, Network planning And Design, Ethereal, Net cool, Network Administration SSH, Cisco NAC, ISE, NCircle, Telnet, SNMP, SDM, ICMP, Cisco Works, Active Directory.

Virtualization: Packet tracer 5.0, OPNET, Boson Netsim, GNS3.

LAN Technologies: VLAN, Private VLAN, Spanning Tree, VTP, 802.1Q Trunking, Fast Ethernet Gigabyte Ethernet, IGMP & IGMP Snooping.

WAN Technologies: PPP, Frame relay, ISDN, ATM, MPLS, T1/T3 & E1/E3

Network Security:

ACL, IPsec, VPN, Port-security, Cisco [...] Palo Alto, Checkpoints, AAA, LDAP, CADA, Zone-Based Firewalls, IOS based Router security firewalls, Tripwire, IDS/IPS, Aruba , RSA, SIEM, Qradar

Network Technologies: MANET, SONET, TDMA, FDMA, CDMA. DSL, POP3

Operating Systems: Windows (NT, XP, 2000, 2003, Vista, 7 and 8) , Ubuntu, Linux, CentOS, Red Hat, FreeBSD, CISCO IOS (11.X, 12. X).