

# Srikanth Reddy

## Network Engineer - Comcast

Philadelphia, PA - Email me on Indeed: [indeed.com/r/Srikanth-Reddy/d44ca0be89212069](https://indeed.com/r/Srikanth-Reddy/d44ca0be89212069)

- Network Engineer with 8 years of experience in designing, capacity planning, upgrade/maintenance & implementing internet works using Cisco Products with deep understanding of application level security.
- 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.
- Expertise in configuration of Cisco Catalyst Switches of [...] Cisco Routers of [...] Load Balancers ACE, Citrix NetScaler and F5.
- Design and configuring of OSPF, BGP on Juniper Routers (MX960).
- Experience in working with Palo Alto- Next Gen firewall.
- Experience working with Nexus [...] 7010, 7018, 5020, 2148, 2248 devices, Cisco Dynamic Fabric Automation and Cisco Datacenter Network Manager.
- Dealt with Cisco Unified Communications Manager (CUCM), telephonic concepts including TDM and SIP.
- Experience with Cisco ACS, Prime, ISE, ACI.
- Experience with Aruba Clear Pass.
- Experience with Nexus series switches and UCS.
- Expertise and extensive experience in managing ASA/SRX Firewalls, Catalyst switches, nexus switches and customer integration. Ability to setup devices, modify ACL's and trouble shoot issues.
- Experience with Service Now, Jira.
- Experience in Cisco WLAN 5500 series, Aruba WAP, Clear pass.
- Configuring High availability on Cisco WLC's, adding Access points on Cisco wireless controller.
- Experience in cloud computing, VMware.
- Experience working on Linux, Centos, shell, python scripting.
- Experience working with Tacacs and radius servers.
- Worked with Cisco for opening TAC Case and resolving issues to meet project deadlines.
- Experience on Checkpoint, Firewalls, ASA [...] Firewalls. Implemented Security Policies using ACL, Firewall, IPSEC, SSL, VPN, IPS/IDS, AAA (TACACS+ & RADIUS).
- Experience with HP open stack.
- Expertise in VOIP protocols like H.323, MGCP, SIP, and SCCP.
- Experience in deploying site-to-site VPNs over IPsec and GRE.
- Implementing standard security measures on all the Routers and Switches. Configuring AAA on all network devices with TACACS+ using Cisco ACS.
- Experience with load balancing using F5 LTM and Citrix NetScaler
- Worked on F5 Local Traffic managers (LTM), Global traffic manager (GTM) of series 8900, 6400, 6800, 3400 and 4200.
- Efficient at use of Microsoft VISIO/Office as technical documentation and presentation tools.
- Experience with Amazon Web Services(AWS)

Willing to relocate: Anywhere

Sponsorship required to work in the US

### WORK EXPERIENCE

#### Network Engineer

Comcast - Philadelphia, PA - February 2017 to Present

Worked on Data Center design and implementing routing, switching and load balancing in a complex environment. Experience handling vendor calls and coordinating with them for implementing the changes as per client requirements.

- Experience with layer 3 routing and WAN related technology, including EIGRP, BGP, IWAN, PfR, VRFs, MPLS, DMVPN, WAAS, and QoS.
- Worked on Multi-Site Network support including MOE, WAN, LAN, Network, Cabling, Peripheral device.
- Worked on BGP configuration for providing redundant internet connectivity using BGP attributes, Route maps, prefix-lists etc.
- Configured and Maintained BGP features such as load balancing, Route Reflectors, BGP metrics such as maintaining the Enterprise IP Addressing scheme with allocation of new IP Pools for user subnets, and updating the port on the switches MED, AS Path, Local Preference, Communities.
- Configuring and implementing Routed and Routing protocols including: OSPF, EIGRP, BGP and MPLS.
- Routing related tasks included providing Juniper router configuration and change management, providing technical support for Juniper Router configurations and installation for Customer.
- MPLS traffic engineering design, configuration, and troubleshooting.
- Implementing traffic engineering on top of an existing Multiprotocol Label Switching (MPLS) network using Frame Relay and Open Shortest Path First (OSPF).
- Configured Firewall to allow site to site VPN access and configuring ACL to ensure better security, migration of VPN tunnels.
- Extensive technical experience working with VPN technologies (IPSEC, SSL VPN, WebVPN, AnyConnect, DMVPN)
- Configured VLANs with 802.1q tagging. Configured Trunk groups, ether channels, and Spanning tree for creating Access/distribution and core layer switching architecture.
- Worked with Cisco advance services to implement data center Nexus environment for new Upgraded the NX-OS in nexus 9372, nexus 7018, 7010 and nexus 5548 and 5596.Consolidated multi-tiered environment into a pair of Nexus 7000 switches using VPC and VRF.
- Experience working with Nexus 9372,9396, 7010, 7018, 5020, 2148, 2248 devices, Cisco Dynamic Fabric Automation and Cisco Datacenter Network Manager.
- Experience with devices Palo Alto Network firewalls such as security NAT, Threat prevention & URL filtering.
- Worked on Palo Alto and Checkpoint design and installation for Application and URL filtering, Threat Prevention, Data Filtering as well migrations from one Firewall to another.
- Configuration, Troubleshooting and Maintenance of Palo Alto Firewalls - PA200, PA2000 series, PA3000 series, PA4000 series and PA5000 series.
- Experience with F5 AFM and APM.
- Configured NAT and SNAT in F5 LTM and F5 GTM.
- Deployed F5 LTMs and F5 GTMs in DMZ environments.
- Experience with F5 Web Accelerator and Application Security Module.
- F5 GTM WIP'S configuration for Global Server Load Balancing and Disaster Recovery
- Perform SSL Offloading on F5 LTMs. Also, renewing certificates to ensure the security of websites.
- Worked on F5 LTM/GTM of 5100, 6400, 6800, 8900 for a Server and site load balancing environment.
- Configuring F5 GTM solutions, including WideIP and Pool Load Balancing Methods.
- Worked on Security features of the F5 AFM product: ACLs, DoS, Protocol Security (SIP DNS and HTTP)
- Documenting all the changes and the process of F5 Migration 6800 to 8900.
- Experience with Blue Coat URL filtering with whitelisting and blacklisting URL, creating rules for content filtering.
- Experience with networking tools for analyzing the real-time traffic flow of the packets, Wireshark, Solarwinds Orion NPM for network monitoring and troubleshooting tools.
- Experience with Cisco UCS, VoIP trunking.

- Installing, configuring and troubleshooting Wireless Solutions (Wireless LAN Controllers, Access Points, and Prime) in a multi-campus environment.
- Administer, maintain, and customizations (reports, etc.) as necessary to systems management tools-Cisco Prime Infrastructure, and Solar winds.
- Experience in Cisco WLAN 5500 series, configuring high availability on WLC.
- Experience with Amazon Web Services(AWS), VPC peering, configuring servers on AWS.
- Experience with direct connect and establishing connectivity to AWS through direct connect.
- Documenting all network changes and upgrades using Visio and Excel.
- Experience with Python and shell scripting.

## **Network Security Engineer**

Atlanta, GA - December 2015 to January 2017

Worked exclusively on designing Data Center as well as Edge side. Created comprehensive project plans, and coordination of team members, third-party contractors, and consultants. Assisted with strategic plans and roadmaps for future Infrastructure initiatives; tracking project milestones and deliverables; identifying and mitigating issues; resolving conflicts with the project.

- Configuring Big-IP F5 LTMs, F5 GTMs (virtual servers, pools, SNATs, health monitors) for managing the traffic and tuning the load on the network servers.
- Dealt with creating VIP (virtual servers), pools, nodes and applying iRules for the virtual servers like cookie persistency, redirection of the URL.
- Knowledge on windows servers DHCP, DNS, Exchange, DFS, AD.
- Experience with Upgrading and troubleshooting Cisco / Juniper on the edge side
- Configured Juniper EX series Layer2 and Layer3 and supervised equipment installation work.
- Troubleshooting experience on Juniper EX, MX and QFX series
- Configuration included VLANs & VTP, STP port features, Gateway redundancy using HSRP, enterprise security using Cisco Port Security and Dot1X framework.
- Experience with Cisco ACS, Prime, ISE, ACI.
- Worked extensively on setting up encoders/decoders over ip and video control software.
- Provided strategic technical direction, roadmap design, installation, and configuration with Cisco ASR's and 7600 series.
- Good knowledge with Routing protocols, Networking Layer1,2 and 3 Switching concepts, LAN/WAN.
- Experienced in Configuring Checkpoint Firewall (Version R62, R65 and R71) and CISCO ASA firewalls as Standard and Distribution deployment to have the network secure and maintained Site to Site VPN connection through the Firewalls.
- Experience on Check Point Firewalls NG, NGX, NG R55, NGX 60, NGX R65, R70, R75, UTM and Cisco ASA 5505, 5510, 5540, 5500 series.
- Checkpoint - R75/R70/R65 with product like Nokia IP 390, 560, 690, 1280, 2450, 61000 etc.; in Provider-1 environment.
- Configured Check Point clusters with Nokia box and crossbeam.
- Established the monitor routes on Checkpoint Firewall that allows the F5 LTM to monitor the backend nodes or servers.
- Worked on various platforms of Checkpoint like - Nokia, Checkpoint (SPLAT) and handled the migration to Checkpoint Provider 1 platform.
- Rule base verification and migration on Checkpoint firewalls, Performed PCI/SOX audits on firewall rule bases with compliance team.
- Configuration, Troubleshooting and Maintenance of Palo Alto Firewalls - PA200, PA2000 series, PA3000 series, PA4000 series and PA5000 series.

- 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.
- Worked on Cisco Identity Services Engine (ISE) implementation
- Engineer, configure and lead the design, configuration and deployment of Cisco ISE, Cisco routers / switches, firewalls, load balancers and other network infrastructure devices.
- Worked as delivery engineer within our strategic Cisco Identity Services Engine (ISE) specialization team.
- Provided VPN services to site-to-site and, Remote access VPNs using IPsec and GRE tunneling mechanisms.
- Worked on IDS/IPS signatures in Firewall for Fine-tuning of TCP and UDP.
- Research on different IDS/IPS systems and analyzed the results in different scenarios.
- Conducted post attack analysis on system logs/images to determine intruder point of entry and other indicators used in the development of IDS/IPS signatures against threats.
- Integrated log logic servers for analyzing security data with IDS and IPS devices.
- Developed numerous IDS/IPS signatures to help protect the network and respond quickly to network attacks with an emphasis on the Advanced Persistent Threat.
- Responsible for coordinating installation of Shadow Intrusion Detection System (IDS).
- Intrusion detection and Vulnerability assessment using Nessus.
- Experience with Citrix Net scalar load balancer.
- Hands-on experience in developing scripts using Perl scripting language.
- Experience with AWS and VPC peering.
- Configuring WLC's, WAP's and troubleshooting wireless issues.
- Experience in Cisco WLAN 5500 series, Aruba WAP, Aruba Clear Pass.

## **Network Engineer**

Blackboard - Reston, VA - April 2014 to November 2015

Develop Stream lined designs and configuration to various telecom projects and configurations.

Issue and co-ordinate design documentation and evaluation of project proposals. Worked extensively in troubleshooting video decoders/encoders over IP and video.

- Configured Routing protocols such as OSPF, BGP, static routing and policy based routing.
- Managed fast Layer 3 switched/routed LAN/WAN infrastructure as a part of Network team
- Experience with WAN, Routers, nexus switches, TCP/IP, Routing Protocols (BGP/OSPF), and IP addressing.
- Experience with troubleshooting equipment and network problems and to open and track Cisco TAC cases through to problem resolution on pre and post production issues
- Implemented configuration changes and hardware additions/replacements to LAN/WLAN/WLAN. Experience in installing and configuring N7010, N5548, N2248 and N2232's. Worked on Fabric Path
- Experience with Cisco ASR routers.
- Carried out testing of new features and functionality required by the customer in a lab environment and to implement and verify that they are operating correctly in the production environment.
- Trained the customer's design, implementation and support personnel to configure and operate the Juniper Networks products.
- Experience with Cisco ACS, Prime, ISE, ACI.
- Experience with Nexus series switches and UCS
- Install, test, and support various network devices, including UCS Servers with VMWare Hardware and Software installations, IP Phones, Router gateways, UCCX, UC 300 and UC 500s, ATAs, and IADs.
- Experience with VOIP protocols like H.323, MGCP, SIP, and SCCP.
- Experience on cloud computing, Hyper-V, V-sphere, VMware 5.5.
- Proficient using the F5 based profiles viz. persistence, SSL, HTTP profiles.
- Working Knowledge on F5 SNAT, SSL offloading and license upgrades.

- Experience with load balancing using F5 LTM and Citrix NetScaler.
- Worked on F5 Local Traffic managers (LTM), Global traffic manager (GTM) of series 8900, 6400, 6800, 3400 and 4200.
- Configured Multiprotocol Label Switching (MPLS) VPN with Routing Information Protocol (RIP) on the customer's Site.
- Troubleshoot and technical support for Global wide area network consisting of Multi-Protocol label switching MPLS, VPN and point-to point site.
- Design service for /upgrade/configure ALU's IP/MPLS products e.g. 7705 SAS, 7210 etc.
- Proactively perform corrective maintenance for IP/MPLS network.
- Review and evaluate all ITC technical documents related to IP/MPLS network.
- Experience with Citrix NetScaler's and Citrix GSLB 8005, 11515, 9500 series.
- Experience in configuring virtual servers (VIPs), pools, customized monitors and irules.
- Experience with network management tools and technologies such as Cisco ISE, Cisco Prime, Solarwinds Orion NPM, AVC, IP SLAs, Wireshark, Microsoft SCCM/SCOM and Netflow analyzers.
- Experience with Cisco ISE configuration and troubleshooting.
- Experience on IPSEC Peer VPN Tunnel on Cisco ASA firewalls for Security Purposes and on Checkpoint VSX, GAIA along with site to site VPN.
- Worked on Checkpoint Firewall version R75 on daily operations such as access through the firewall, rule verification and cleanup of redundant rules, drafting and installation of Checkpoint Firewall rules and policies
- Worked on Cisco Routers, Active /Passive Hubs, Switches, Juniper SRX firewall, VPN Concentrators TCP/IP, NAT and Checkpoint ESX/GSX firewall.
- Monitoring and troubleshooting traffic on Palo Alto 5020 firewall.
- Experience with common encryption schemes such as symmetric/asymmetric encryption, hashing, SSL/TLS, IPsec, SSH etc. Using openssl commands to troubleshoot issues related SSL certificates.
- Configuring and troubleshooting WLC's and WAP's and other wireless issues, Aruba Clear Pass.
- Knowledge on Amazon web services.
- Experience on Unix/Linux operating system.
- Involved in Switching Technology Administration including creating and managing VLANs, Port security, Trunking, RPVST+, Inter-VLAN routing, LAN security etc
- Monitoring and capturing the traffic with multiple network management tools like Ethereal, Wire shark, Sniffer, Infoblox.

### **Network Engineer/Security**

Trend Micro - Irving, TX - November 2012 to March 2014

Worked in a Data center environment. Work involves wide range of activities surrounding tier-2 support for DoS Defense Detection and Mitigation services.

- BGP configuration and troubleshooting for ISP failover, Configuring and Troubleshooting OSPF as well as Redistributing OSPF, BGP routes, load balancing/failover configurations, GRE Tunnel Configurations and MPLS conversions from GRE.
- Involved in provide higher technical support to NOC and other operation teams regards to IP/MPLS infrastructure.
- Worked with Video encoders and decoders over IP and video control.
- Duties also include performing regular system maintenance; code upgrades, reviews, configuration changes, and monitoring
- Installation, configuration and maintenance of Palo Alto Firewalls, Cisco ASA firewalls.
- Configured Cisco ASA firewall through Initial setup.
- Cisco ASA 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.

- Intrusion detection and Vulnerability assessment using Nessus.
- Involved in upgrade, maintenance, monitoring and support for the PA500 Palo Alto devices.
- Performed administration on Palo Alto NGFW, creating policies, rules, users, VPN connections
- etc.
- Configuration, Troubleshooting and Maintenance of Palo Alto PA-5060, PA-5020 series.
- Implemented firewall rules in Palo Alto firewalls using Panorama for one of the environment.
- Monitoring and troubleshooting traffic on Palo Alto 5020 firewall.
- Experience with Blue Coat URL filtering with whitelisting and blacklisting URL, creating rules for content filtering.
- Worked as a Subject Matter Expert (SME) with security team which was responsible for security infrastructure and implementation of perimeter network security. Implemented devices such as Firewalls, IPS/IDS, VPN, Proxy, DLP, Two factor authentication technology and Wireless Security, and Security Enforcement activities.
- Knowledge of TACACS, RADIUS, ACS, Splunk, and Cisco ISE.
- Worked on F5 LTM/GTM of 5100, 6400, 6800, 8900 for a Server and site load balancing environment.
- Experience with F5 web accelerator and ASM.
- Migration of routers/Switches from telnet to SSH and created secure access using ACL.
- Configure Site to Site VPN between various locations.
- Performed Firewall and Hardware upgrades including Arbor Peak flow Threat Management Service devices.
- Experience with Python and shell scripting.
- Experience in installing and configuring N7010, N5548, N2248 and N2232's. Performed NX-OS upgrades on all nexus platform.
- Documentation and draw network diagrams using MS Visio and use SharePoint portal as site repository.

### **Network Engineer/Security**

Deloitte - Hyderabad, ANDHRA PRADESH, IN - May 2011 to June 2012

Worked on routing and switching configurations, maintenance and troubleshooting. Involves working on Network tickets (L1/L2). Leading a wireless project which involves setting up new WAP's, configuring switches, WLC's.

- Work with the data center planning groups, assisting with network capacity and high availability requirements.
- Configured Routing protocols such as OSPF, BGP, static routing and policy based routing.
- Configuration and maintenance of OSPF protocol which was the enterprise IGP. Configuration included deploying of new branch locations or new network devices in the existing infrastructure. Creating Stub Areas & configuring Summarization for effective Routing.
- Worked on BGP configuration for providing redundant internet connectivity using BGP attributes, Route maps, prefix-lists etc.
- Configured HSRP and VLAN trunking 802.1Q, VLAN Routing on Catalyst 6500 switches.
- Optimized performance of the WAN network consisting of Cisco 3550/4500/6500 switches by configuring VLANs.
- Configured VLANs with 802.1q tagging. Configured Trunk groups, ether channels, and Spanning tree for creating Access/distribution and core layer switching architecture.
- Providing Technical Support and solutions for Network Problems.
- Planned, tested and evaluated various equipment, systems, IOSs and procedures for use within the Network / security infrastructure.
- Experience in designing, managing, and implementing complex IPCC and Cisco ICM/UC systems.
- Hands on F5LTM for handling the load and increase the capacity and reliability of applications.
- Configuring VLANs and implementing inter VLAN routing.

- Configuration and maintenance of OSPF protocol which was the enterprise IGP. Configuration included deploying of new branch locations or new network devices in the existing infrastructure. Creating Stub Areas & configuring Summarization for effective Routing.
- Worked on BGP configuration for providing redundant internet connectivity using BGP attributes, Route maps, prefix-lists etc.
- Managed VPN migration from Nortel i100 to Palo Alto NGFW VPN devices.
- Traffic monitoring and managing using Palo Alto Panorama.
- Updated Palo Alto NGFW PAN-OS, Threat databases, AV databases and filters as required.
- Configuration, Troubleshooting and Maintenance of Palo Alto Firewalls - PA200, PA2000 series, PA3000 series.
- Managed the testing, deployment and configuration of WLC, WCS and WiSM systems. Worked on Cisco 1242, 2400 & 3500.
- Designing and maintaining floor maps for WAPS in Visio.
- Key contributions include troubleshooting of complex LAN/WAN infrastructure that include routing protocols OSPF & BGP.
- Vulnerability assessment and fixing vulnerabilities using Nessus.
- Regular backup network configurations adhere to disaster recovery.

### **Network Engineer/Security**

Ness Technologies - Hyderabad, ANDHRA PRADESH, IN - August 2009 to April 2011

Responsible for planning, configuring, deploying, monitoring, troubleshooting and maintain all data networks. Good Experience in troubleshooting LAN/WAN/WLAN problems at local and remote sites. Demonstrated initiatives for process improvement and problem ownership.

- Provided High level support for Service Desk escalated trouble tickets.
- Worked with IT team members regarding Firewall and network management required to ensure system customer/supplier access to applications as necessary.
- Experience with routing protocols like OSPF, RIPv2, EIGRP, and BGP.
- Ability to setup devices, modify ACL's and trouble shoot issues.
- Worked on serial communications such as RS232, RS 422 and RS 485
- Worked on a migration project which involved the removal of all static routes from core devices.
- Extensive knowledge in Natting and Expert in Troubleshooting clientless VPN issues
- Designed ACLs, VLANs, troubleshooting IP addressing issues and taking back up of the configurations on switches and routers.
- Worked on change management as per ITIL standards.
- Hands on experience on F5 Load balancers.
- Configuring HSRP, VRRP, GLBP and VLAN Trunking (802.1Q & ISL), STP, Port Security on Catalyst 6500 switches.
- Implementation and troubleshooting of the Network Managed Services (NMS)
- Cisco switches and routers: Physical cabling, IP addressing.

### **SKILLS**

CISCO (7 years), SECURITY (7 years), VPN (7 years), FIREWALL (6 years), BGP (6 years)

### **ADDITIONAL INFORMATION**

### **TECHNICAL SKILLS**

LAN Technologies Private VLAN's, VTP, DTP, MLS, STP, RSTP, MST, Ether Channel

Routing Protocols BGP, IBGP, EBGp, OSPF, IGRP, EIGRP, RIP

Wireless 802.11 a/b/g WLANS

WAN Technologies Frame Relay, ISDN, PPP, ATM, MPLS, leased lines & Exposure to DS1, DS3, OC3, OC12, OC48 & T1 /T3.

Infrastructure Services: DHCP, DNS, SMTP, POP3, FTP, TFTP.

Security:

NAT/PAT, Ingress & Egress Firewall Design, VPN Configuration (L2 and L3), Internet Content Filtering, IDS/IPS, URL Filtering, Bluecoat, Checkpoint, Palo Alto NGFW Cisco PIX [...] & ASA [...] Juniper SRX & SGS.

Network Management SNMP, Cisco Works LMS, HP Open View, Ethereal, Solar Winds, Wire Shark , Splunk, Sniffer.

Scripting Python, PowerShell, Shell scripting.

Hardware Cisco GSR [...] Catalyst Switch 6500, 3500, 3700 2900

Cisco Router 7200, 3700, 3600, 2800, 1600, 800 series.

Cisco Nexus 9k,7k, 5k, 2k, ASA

Juniper M320, T640, MX960, EX4500, M10i.

Juniper Netscreen 550, Juniper SRX650, DNS,

F5 load balancer 1600, 3600

IDS-Snort.