Naresh C
Sr Network Engineer

Durham, NC - Email me on Indeed: indeed.com/r/Naresh-C/286fa7fd8942fcc1

Naresh
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Professional Summary:
= 9 years of practical experience in the IT field as a network engineer, with proficient hands-on experience in the areas of Wi-Fi portfolio, Routing, Switching and Troubleshooting
= Strong knowledge in configuring and troubleshooting routing protocols like RIP, OSPF, VOIP, IS-IS, SNMP, EIGRP and BGP.
= Installing and Configuring Cisco switches 2960, 3560, 4500, 6500, 4900, 2900, 3750, Nexus 5000, Nexus 7000, 9000.
= Hands-on expertise with routers 2600, 2900, 3600, 3900, 7200, 7600, ASR-901, ASR-903, ASR 5500, ASR-9010.
= Implementation, working analysis, troubleshooting and documentation of LAN, WAN & WLAN architecture with excellent work experience on IP series.
= Working knowledge with Load Balancers F5 LTM like 3900, 6900 for various application
= Working knowledge of Firewall, LDAP, AAA, TACACS/RADIUS, and IPSEC.
= Proficient with TCP/IP and relative OSI models.
= Security policy configuration including NAT, PAT, VPN, SSL-VPN, Route-maps and Access Control Lists.
= Exposure to multiple technologies and builds/troubleshooting: VSAN/NSX/SDN/VXLAN, etc.
= Strong practical experience in IP addressing, Sub-netting, VLSM and ARP, proxy ARP, and ping concepts
= Expertise in troubleshooting and configuring DNS, DHCP, TFTP, TELNET, SSH, FTP and NFS
= Excellent hands-on experience in designing and implementing IP addressing that includes both IPV4 and IPV6
= Implemented workflow actions to drive troubleshooting across multiple event types in Splunk.
= Managing our ticketing and monitoring system provided by Solar winds
= Specialize in migrating multivendor firewalls to next generation firewalls like Fortigate and Palo Alto Networks.
= Implementation of Access lists, route maps, and distribute lists.
= Strong fundamental knowledge in implementing Layer-2 level technologies including VLAN's, VTP, STP, RSTP and Trunking.
= Technical support for improvement, up-gradation & expansion of the network architecture.
= Working experience on tools and devices like Source Fire, Fire eye, Aruba, Cisco ASA, Cisco ISE
= Working Experience in SONET, DWDM & ATM Networks.
= Good understanding and working knowledge of ITIL standards.
= Working Experience on web content filter and gateways like Blue Coat, Websense.
= Comprehensive understanding of OSI Model, TCP/IP protocol suite (IP, ARP, ICMP, TCP, UDP, SNMP, FTP, TFTP
= Planning, Designing, Implementation of small, medium organizations including LAN, VLAN, WLAN and WAN on wired and wireless networks
= Having vast experience in designing and configuring of Switches for VLANS and inter-switch communications
Willing to relocate: Anywhere

WORK EXPERIENCE

Enterprise Network Engineer

Cisco   -   Research Triangle Park, NC   -   October 2016 to Present

Cisco PDI technical advisor)

The PDI Technical Advisor (PDI-TA) addresses the need for additional support required by Cisco Collaboration Specialized Partners in the complex tasks of Planning, Design and Implementation (PDI) of enterprise Cisco Collaboration solutions.

Responsibilities
➢ Security - ASA, ISE, Content Security products like ESA & WSA and CWS
➢ IoT & Wireless -Wireless LAN Controllers, Network connectivity i.e. Cisco's Ruggedized Industrial router and switches configuration and functionality
➢ Review Networking designs, project plans and implementation plans to offer guidance based on best-practices and Cisco Validated Designs
➢ Support online tools for system sizing, compatibility and design.
➢ IPv4/IPv6 routing (BGP/OSPF/EIGRP/RIP) as well as MPLS networking (VPN/VRF and VRF-Lite)
➢ Educate Partners to locate and use documentation, tools and processes associated with solid planning principals.
➢ Responsibilities in preparation, planning, design and implementation of purchased solutions into a customer's existing networking environment
➢ Deployed Intelligent WAN (IWAN) in both Hybrid and Dual-ISP branches to provide an increase in bandwidth capacity, security and reliability
➢ Software-Defined Networking (SDN): Hands-on experience and expert knowledge of Cisco Intelligent WAN (IWAN)
➢ Assist partners with plans and executions of highly complex system upgrade and migration activities.
➢ Educate Partner on lifecycle support services available from Cisco Systems, Inc.
➢ Analyze and troubleshoot issues encountered during staging and implementations (could include building simulated networks in test labs to resolve complex problems and compatibility issues);
➢ Work with engineering, technical marketing, TAC and documentation groups to add or correct documentation; publish tech-tips and best practices and drive product & process improvement initiatives based on lessons learned from Partner cases.
➢ Work with Business Unit teams on deal reviews, Partner mentoring and practice-building projects and service offering opportunities.
➢ Participated in special strategic studies to define the overall products strategic evolution and roadmaps for Cisco's Controller product portfolio that will meet customers' requirements and enhance their user experience.
➢ Supporting follow on project that will provide our customers with a single user experience when deploying and operating different Cisco controllers (APIC, APIC-EM) as well as workflow simplification.
➢ SDN - Acted as the lead engineer for several Proof-of-Concept verification projects for Cisco IWAN for 3-path sites (2 MPLS and one Internet at each site) for dual hub and various types of spoke sites. The projects included complex routing, network failover during blackout and brownout (network impairment), multicast routing, QoS, access to shared customer services, Internet breakout at the hub and spoke sites, and interoperability between IWAN sites and legacy non-IWAN sites during migration to IWAN◦
➢ NFV - Currently involved as an advisory engineer in an NFV Proof-of-Concept verification project for a multi-vendor virtual networking environment consisting of routers, switches, firewalls and WAN optimizers.

Sr. Network Engineer

General Motors   -   Detroit, MI   -   August 2014 to October 2016

Responsibilities:
➢ Troubleshoot and coordinate the resolution of connectivity related issues
➢ Reviewing current network diagram
➢ Serve as the customer's go-to resource for all matters related to the Palo Alto next-generation firewall.
➢ Used F-5Load balancers to increase capacity (concurrent users) and reliability of applications.
➢ Deliver best practices guidance for managing Palo Alto Networks firewalls.
➢ Installation, configuration and maintenance of Cisco Routers like 2600, 2800 and 3600 series.
➢ Provide industry-leading service and platinum-level support to HTTS ACI customers
➢ Plan, build, deploy, and maintain ACI data center lab utilized by internal parties
➢ Work with internal/external customers including partners by delivering the ACI Jumpstart program to help customers and speed up technology adoption
➢ Open stack SME and worked closely with developers on APIC ML2 Plugin integration with ACI
➢ Creating and managing Active Directory sites and services
➢ Managing the delegation of control on the Active Directory to various team as per their job functions
➢ Migration of resources done in batches of a specific number of resources everyday using Active Directory Migration Tool.
➢ Customer reservation plugin including features like finding the best driver to make the trip and integration with payment system, mango pay. It was a LAMP Environment.
➢ Migrate from legacy routing architecture utilizing Firewalls as routing devices and implement Cisco ASR with DMVPN for data center to data center connectivity over multiple providers and Internet links for backup redundancy
➢ Configuring, troubleshooting and managing Networks of over 1000 devices by monitoring health of routers, switches and load balancers and working with team to fix any configuration or hardware.
➢ Configuration and troubleshooting of various routing protocols like RIP, EIGRP and OSPF.
➢ Configuration of layer 2 Cisco switches for VLAN and Trucking
➢ Assist customers in their network design queries related to IOS-XR devices.
➢ Configuring and monitored different monitor modules F5 BIG-IP LTM F5 and DNS traffic Management
➢ Analyze public cloud usage in terms of SaaS, PaaS and IaaS. Provide consultancy to improve cloud usage and minimize cloud based risk and cost.
➢ Planning and implementation of IP addressing scheme using sub-netting and VLSM.
➢ Designing Networks for voice and data networks over LAN and WAN.
➢ Designing, Implementing and Managing WLAN Distribution Network.
➢ Working on cable modems and CMTS (cable modem Termination Systems).
➢ Working on Wi-Fi Portfolio by Configuring and Troubleshooting Wireless Access Points (WAP) and Wireless Controllers (WLC) for limited connections issue In Wireless Local Area Network (WLAN)
➢ Involved in originating VoIP telephone calls are similar to traditional digital telephony and involve signaling, channel setup.
➢ Configuring user's roles and policies for authentication using Cisco NAC and monitoring the status of logged users in network using Cisco ISE.
➢ Configuring and Troubleshooting WLC to manage ESS for the widespread Comcast WLAN.
➢ Implementation on Policy Base Routing (PBR)

Sr. Network Engineer
Anthem Inc - Norfolk, VA - October 2012 to July 2014

Responsibilities:
➢ Troubleshooting firewall and ACL related connectivity issues.
➢ Designing, Installation and configuration on Checkpoint, ASA, Net Screen and Juniper Firewalls.

➢ They improve the overall performance of applications by decreasing the burden on servers associated with managing and maintaining application and network sessions, as well as by performing application-specific tasks using F-5 load balancer.

➢ Assist in identifying customer-specific requirements and provide solutions.

➢ Answer questions about the product capabilities, features and configuration.

➢ Assist customer team with the design and placement of Palo Alto Networks devices.

➢ Implemented URL filtering and SSL Decryption in Palo Alto Firewall environment.

➢ Configured security profiles and security profile groups in Palo Alto Firewall environment

➢ Troubleshoot and configured Palo Alto Networks Panorama Systems.

➢ Configured trunk and access ports, and implemented granular control of VLANs and VXLANs using NXOS to ensure virtual and flexible subnets that can extend further

➢ Develop and maintain network configuration, documentation, industry best standards and practices.

➢ At the end of the engagement AGCS had a Single Forest Single Domain Active Directory model operating with the uniform security model and processes throughout the organization

➢ Participate in technical discussions (internal and external).

➢ Designing, Installation and configuration of ACL's and firewall Filters on Cisco and Juniper Routers.

➢ Configure Multi-protocol Label Switching (MPLS) on Cisco IOS XR Software

➢ Troubleshooting MPLS circuits, VPN and SSL VPN connectivity.

➢ Designing, Installation and configuration of MPLS circuits, VPN and SSL VPN connections on checkpoint Firewalls, Juniper & Net Screen VPN Boxes.

➢ Configuring, troubleshooting and managing secure web content gateways and filters like Blue Coat and Web sense.

➢ Working on Active Directory to add users to new groups and change user's policies

➢ Working on RSA 2 Factor, AAA & Radius

➢ Working on IPS and IDS (source fire and fire eye)

➢ Working on tools and devices Aruba & CADA to assign roles, policies to devices and use

➢ Configuring and deploying Cisco NAC & Cisco ISE

➢ Working on Cisco NAC & ISE to authorize users based on protocols PEAP and EAP-TLS, also manage and monitor user's access privileges.

➢ Preparing document manuals for the new work procedure, keeping records of work done and updating work logs and trackers.

➢ Promoting team work by helping peers in daily work and improve the entire productivity output

Network Engineer
NiSource   -   Columbus, OH - February 2011 to October 2012

Responsibilities:

➢ To Implement Local Area Network Solutions and its remote support.

➢ Manage Network Equipment (Cisco 3500 Router, Juniper FW SSG 550 Cisco Switches and operation of a Polycom HDX 8000 Telepresence System.

➢ Network Troubleshooting, basic system & Network Security support 24x7.

➢ Network Implementation solutions & support.

➢ Configured F5 hardware load balancers to work with Web Logic Server.

➢ Experience of VoIP allows dynamic interconnection between users on any two domains on the Internet when a user wishes to place a call.

➢ Provided very consistence performance in CSAT and schedule adherence.

➢ Installation, configuration and maintenance of Cisco Routers like 7600, 7200 and juniper mx series.

➢ Had hands on VoIP systems employ session control and signaling protocols to control the signaling, set-up, and tear-down of calls

➢ Operating, administrating, managing & testing of carrier Ethernets

➢ Installation, configuration and maintenance of Palo Alto, Cisco ASA 5500, Juniper SRX and ISG Firewalls
➢ Troubleshooting server connectivity issues for client intranet,
➢ Networking: TCP/IP, Troubleshooting client network connectivity in SIMS Buildings, DNS Troubleshooting, Remote Access - Virtual Private Network (VPN).
➢ Network Security Implementation & Support.
➢ Password resets/unlocks, Giving pseudo Privileges, Providing LAN and Wan Support.
➢ Interacting with the clients by creating tickets for the issue and dispatching to the correct queues for resolution.
➢ Involved in the creation and closing of IMAC (Add, Move, Change Requests) tickets.
➢ Calling back the client to check if the issue has been resolved.

Network Engineer

TCS - IN - June 2008 to February 2011

Responsibilities:
➢ Provide support to the customers.
➢ Provide and maintain strong, professional relationships with the clients and customers.
➢ Provide help in installing Internet, Security, Network, Wireless Network, Email client software, installation of Routers and basic computer troubleshooting.
➢ Logging of calls from customers onto a database and following escalation procedures to resolve problems or issues.
➢ Working with optical cables couplers, SONET, DWDM and ATM Networking.
➢ To deal with local network issues like - configuring wired & wireless network, implementing security solutions by designing Firewall, VPN rules.
➢ Working on Wi-Fi portfolio like Installing and configuring WAP, WLC is for wireless networks and managing the WLAN Ad Hoc.
➢ Configuring and Troubleshooting Distribution Systems for WLAN connectivity.
➢ Consistently Highest Performance & Quality Deliverables (CSAT, FCR, Quality, Paid %)
➢ Achieved highest number of Completely Satisfied Surveys in 3 months
➢ Received many customer Satisfaction certificate
➢ Vendor coordination
➢ Maintaining ITS VOICE Infrastructure.
➢ Participating in the weekend maintenance activity.
➢ Analyzing health check reports of their SBCs.
➢ Creating Network Analysis documents.

SKILLS

= Routing: RIPV1, RIPV2, IGRP, EGIRP, OSPF, BGP, Route Filtering, Redistribution, Summarization, and Static Routing. (9 years), = Switching: VLANs, VTP, STP, PVST+, RPVST+, Inter VLAN routing & Multi-Layer Switch, Ether channels, Transparent Bridging, CEF, DECF, Port Security, VSS Cisco 2960, 3560, 4500, 6500, 4900, 2900, 3750, Nexus 5000, Nexus 7000, 9000, WS-C4948, Juniper EX, QFX and Alcatel 7705 SA (9 years), = Router: Cisco 7600, 7606, 7609, 7613, 7200, 4400, 3900, 3800, 2900, 1900, ASR-901, ASR-903, ASR 5500, ASR-9010, 7206 VX, Switches: Cisco Catalyst 6500, 4500, 3560, 3750, 2960, Nexus 7000, Nexus 6000, Nexus 5000. (9 years), = Network Security: Cisco ASA5550/ 5540, NetScreen, Juniper SRX, Palo Alto, Checkpoints, AAA, Firemon, FREE RADIUS, CADA, LDAP, IPsec VPN, SSL VPN, IDS, IPS, Source Fire, Fire Eye, Cisco NAC (4.9.3), Cisco ISE, Aruba. (9 years), = Network Management: Wire shark, SNMP, Ethereal, Solar Winds, Net cool, Science Logic, Log Logic, PRTG, Blue Coat, Websense, Cisco NAC, ISE, Active Directory (9 years), = Software's: VMware ESX 5.x, VMware Workstation, vCenter Server, System Center 2012 R2, MS SharePoint, C++. (9 years), = Operating

Systems: Windows (98, ME, 2000, XP, Sv2003, Sv2008, Sv2012, Vista, 7, 8), Ubuntu, Linux, Kali Linux. (9 years)