Sr. Network Engineer Sr. Network Engineer Sr. Network Engineer - Avaya Thornton, CO   Cisco Certified Network Engineer with 8 years of professional experience in Network engineering, performing Network analysis, design, Implementing, capacity planning with focus on performance tuning and support of large Networks and 6 years of Desktop support / Lab Administration   Strong hands on experience in installing, troubleshooting, configuring of Cisco ASR, 7200, 3900, 3800, 2900, 2800, and 1800 series Routers, Cisco Catalyst 6500, 4500, 3750, 2950 and 3500XL series switches   Strong knowledge in Cisco Routing, Switching and Security with Cisco hardware/software (heavy Cisco shop) experience.   Working experience on Pa 5000 series Palo Alto firewalls and Panorama.   Configuration and troubleshooting of CSM, integration with ASA devices.   Experience in managing security policies with CSM, integrated with ASA 5500 devices. Experience in set up, configuration and management of PIX firewall and ASA 5500 appliances. Strong Knowledge in WAN technologies including T1, T3, ISDN, HDLC, Point to Point, ATM and Frame Relay.   Experience in Configuring and implementing VLAN, VTP, LAN switching, STP and 802.x authentication in access layer switches.   Access Control Server configuration for RADIUS and TACACS+.   Have knowledge on various advanced technologies like VOIP, H.323, SIP, QOS, IPv6, Multicasting, and MPLS.   Experience in Routing protocol configurations (RIP, EIGRP, OSPF, and BGP)   Designing and implementing F5 BIG-IP load balancer.   Strong knowledge and experience in implementing, configuring VPN technologies like IPSEC, MPLS.   Strong problem-analysis talent, driven by global view/attention-to-detail approach. "Hands on" technical knowledge.   Experience with different Network Management Tools and Sniffers like Wireshark (ethereal), HP-Open view, RSA envision, and Cisco works to support 24 x 7 Network Operation Center.   Experience with Project documentation tools & implementing and maintaining network monitoring systems and experience with developing network design documentation and presentations using VISIO   Experience in monitoring and analyzing the load balancing of network traffic using KIWI Solar winds.   Experience with network emulation hardware/software tool SHUNRA.   Experience in Physical cabling, IP addressing, configuring and supporting TCP/IP. Strong general management, negotiation, inter-personal, communication and team building skills.

Efficient at use of Microsoft VISIO/Office as technical documentation and presentation tools. Responsible for Check Point and Cisco ASA firewall administration across global networks. Worked on F5 LTM, GTM series like 6400, 6800, 8800 for the corporate applications and their availability.    Experience working with Nexus 7K, 5K, 2K devices.    Experience with convert Checkpoint VPN rules over to the Cisco ASA solution. Migration with both Checkpoint and Cisco ASA VPN experience.    Designing and implementing F5 BIG-IP load balancer.    Strong knowledge and experience in implementing, configuring VPN technologies like IPSEC, MPLS. Authorized to work in the US for any employer Work Experience Sr. Network Engineer Avaya - Thornton, CO October 2017 to Present Avaya Inc. is an American multinational technology company headquartered in Santa Clara, California that specializes in Internet telephony, wireless data communications, and Customer relationship management (CRM) software. The company also provides business communication solutions for customers.   Avaya currently provides services to organizations at over 1 million customer locations worldwide with operations divided globally in 5 regions and is ranked at #101 on Forbes America's Largest Private Companies.  Responsibilities: Worked extensively in Configuring, Monitoring and Troubleshooting Cisco's ASA 5500.    Experience in migration of VLANS.    Implementation of Access Lists for allowing/blocking desired traffic. Configuring VLANs/routing/NATing with the firewalls as per the network design.    Responsible for Cisco ASA firewall administration, Rule Analysis, Rule Modification.    Hands on experience with the Shunra network emulation device and Performance suite tools.    Good knowledge on HP Performance center/ load controller /load generator.    Experience with deployment of Palo Alto firewalls for different NAT, Skype traffic    Performing software upgrades on HP load controllers and generators.    Experience in establishing NIC bonding/ teaming, IP aliasing.    Good knowledge in systems integration, software hardware emulation experience.    Worked on change management documentation of Network infrastructure design using Microsoft Visio.    Configuring, Installing and troubleshooting on Check Point Devices    Experience with CSM, F5 (LTM) Load balancers to provide efficient switching and routing for local and global traffic    Performed OSPF, BGP, DHCP Profile, HSRP, IPV6, Bundle Ethernet implementation on ASR 9K redundant pair    Perform setup of

test scenarios, both hardware and software components, and perform troubleshooting. Experience working in DataCentre environment, configuration changes as per the needs of company. Configuring, implementing and troubleshooting VLAN's, VTP, STP, Trunking, Ether channels. Designing, implementing LAN/WAN configurations on Cisco 5K, catalyst 6500 switches. Installing, configuring Cisco Catalyst switches 6500, 3750 & 3550 series and configured routing protocol OSPF, EIGRP, BGP with Access Control lists implemented as per Network Design. Experience in configuring, upgrading and verifying the NX-OS operation system. Experience working with Nexus 7010, 5020, 2148, 2248 switches. Experience configuring Virtual Device Context in Nexus 7k series switch. Strong knowledge on networking concepts like TCP/IP, Routing and Switching. Designed, configured, implemented site-site VPN on cisco ASA 5500 firewall. Implemented, configured redundancy protocols HSRP, VRRP, GLBP for Default Gateway Redundancy. Worked in projects converting P2P circuits into MPLS circuits, commissioning and decommissioning of the MPLS circuits for branch offices. Configuring and resolving various OSPF issues in an OSPF multi area environment, Implemented, configured BGP WAN routing, converting OSPF routes to BGP (OSPF in local routing) Performed load balancing and application level redundancy by deploying F5 BIG-IP LTM 3900 Packet capturing, troubleshooting on network problems with Wireshark, identifying and fixing problems Adding and removing checkpoint firewall policies based on various project requirements Commissioning and decommissioning, configuring, URL and Web filtering, SSL Certificates, monitoring, SNMP traps, logging, blocking on Palo Alto devices, migrating from one network to other. Troubleshooting of Cisco 2800, 2900, 3900, 7200, 7600, ASR9k, CRS Series routers Implementing, configuring, and troubleshooting various routing protocols like RIP, EIGRP, OSPF, and BGP etc. Performing network monitoring, providing analysis using various tools like Wireshark, Solar winds etc. Provided proactive threat defense with ASA that stops attacks before they spread through the network. Adding and removing checkpoint firewall policies based on the requirements of various project requirements. Provided application level redundancy and availability by deploying F5 load balancers LTM Designed and implemented DMZ for Web servers, Mail servers & FTP Servers using Cisco ASA5500 Firewalls. Worked extensively on

Cisco ASA 5500 (5510/5540) Series, experience with convert PIX rules over to the Cisco ASA solution. Worked on migration of existing PIX firewall to ASA firewall, PIX OS upgrade from 6.3 to 7.0. Design and Implement DMZ for FTP, Web and Mail Servers with CISCO PIX 506, PIX515 Worked extensively on Cisco ASA 5500 (5510/5540) Series, experience with convert PIX rules over to the Cisco ASA solution. Building the VPN tunnel and VPN encryption. Environment: Cisco2948/3560/4500/3560/3750/3550/3500/2960 6500 switches and Cisco 3640/1200/7200/3845/3600/2800 routers, Cisco Nexus 7K/5K/2K, Cisco ASA 500, Checkpoint, windows server 2003/2008: F5 BIGIP LTM, RIP, OSPF, BGP, EIGRP, LAN, WAN, VPN, HSRP. Sr. Network Engineer United Health Group - Tampa, FL January 2016 to August 2017 UnitedHealth Group Inc. is an American diversified managed health care company headquartered in Minnetonka, Minnesota. It is 6th on the Fortune 500. UnitedHealth Group offers a spectrum of insurance products and services through various operating businesses & brands, Optum, UnitedHealth Care Inc. In October 2016, the company UnitedHealth Group Information Services Pvt. Ltd. merged with Optum. UnitedHealth Group serves approximately 70 million individuals throughout the United States. In 2015, the company reported Revenue $157 billion an operating income of $11 billion. Responsibilities: Worked extensively in Configuring, Monitoring and Troubleshooting Cisco ASA's 5585. Responsible for Cisco ASA firewall administration, Rule Analysis, Rule Modification. Implementation of Access Lists for allowing/blocking desired traffic. Packet capturing, troubleshooting on network problems, identifying and fixing problems. Experience working in Datacenters environment, configuration changes as per the needs of company. Innovated with support of Palo Alto for remote and mobile users and for analyzing files for malware in a separate (cloud-based) process that does not impact stream processing Experience in migration of VLANS.

Performed Configuration on ASR 9K Pairs includes HSRP, Bundle Ethernet Config, Assigning DHCP profiles Extensive Knowledge on the implementation of Cisco ASA 5500 series and checkpoint R 75 firewalls Configuring objects such as Load Balancer pools for local traffic management on F5 Load Balancers Configuring VLANs/routing/NATing with the firewalls as per the network design. Experience in establishing NIC bonding/ teaming, IP aliasing. Worked on

Transformation project. Extensive Knowledge on the implementation of Cisco ASA 5500 series and checkpoint R 75 firewalls Deploying and decommission of VLANs on core ASR 9K, Nexus 9K, 7K, 5K and its downstream devices and also configure 2k, 3k, 7k series Routers Configuring and resolving various OSPF issues in an OSPF multi area environment. Implemented, configured BGP WAN routing, converting OSPF routes to BGP (OSPF in local routing) Installed and maintained Cisco and F5 Load Balancer and documentation Installing, configuring Cisco Catalyst switches 6500, 3750 & 3550 series and configured routing protocol OSPF, EIGRP, BGP with Access Control lists implemented as per Network Design. Implementing, configuring, and troubleshooting various routing protocols like RIP, EIGRP, OSPF, and BGP etc. Good knowledge in systems integration, software hardware emulation experience. Perform setup of test scenarios, both hardware and software components, and perform troubleshooting. Created documents for various platforms including Nexus 7k, ASR9k, and ASR1k enabling successful deployment of new devices on the network Configuring, implementing and troubleshooting VLAN's, VTP, STP, Trunking, Ether channels. Designing, implementing LAN/WAN configurations on Cisco 5K, catalyst 6500 switches. Experience configuring Virtual Device Context in Nexus 7k series switch. Strong knowledge on networking concepts like TCP/IP, Routing and Switching. Designed, configured, implemented site-site VPN on cisco ASA 5500 firewall. Implemented, configured redundancy protocols HSRP, VRRP, GLBP for Default Gateway Redundancy. Experience with configuring Load Balancing methods in F5 LTM and also configured the virtual server. On Catalyst 6500 switches configured VLAN Routing Working with Checkpoints, ASA's (Other Remote sites), Palo Alto's Worked in projects converting P2P circuits into MPLS circuits, commissioning and decommissioning of the MPLS circuits. Performing network monitoring, providing analysis using various tools like Wire shark, Solar winds etc. QRF for transformed sites as per the client requirement. Provided proactive threat defense with ASA that stops attacks before they spread through the network. Environment: Cisco2948/3560/4500/3560/3750/3550/3500/2960 6500 switches and Cisco 3640/1200/7200/3845/3600/2800 routers, Cisco Nexus 7K/5K/2K, Cisco ASA 500, Checkpoint, windows server 2003/2008: F5 BIGIP LTM, RIP, OSPF, BGP, EIGRP, LAN, WAN, VPN, HSRP. Sr.

Data Network Engineer Publix - Lakeland, FL June 2014 to December 2015 Publix is a private corporation that is wholly owned by present and past employees. It is considered the largest employee owned company in the world. It is currently ranked No. 67 on Fortune magazine's list of 100 Best Companies to Work For 2016 and was ranked No. 8 on Forbes' 2015 list of America's Largest Private Companies and is the largest in Florida. The company's 2015 sales totaled US$32.4 billion, with profits of $1.97 billion, ranking #87 on Fortune magazine's Fortune 500 list of U.S. companies for 2016. Supermarket News ranked Publix No. 5 in the 2014 "Top 75 North American Food Retailers" based on fiscal year sales. Based on 2014 revenue, Publix is the thirteenth-largest U.S. retailer and thirty-fifth in the world.    Responsibilities:    Managing and configuring Cisco Switches and Routers independently.    Managing and configuring Aruba Wireless devices and Cisco Access Points.   Hands on experience with trouble shooting and configuring terminal servers.    Providing Technical Support and solutions for Network Problems.    Creating and managing user accounts to all team members in partner environment.    Experience in Cisco switches and routers: IP addressing, WAN configurations.    LAN cabling in compliance with CAT6 standards; Installing new hardware and swap out hardware physically.    Managed VPN, IPSec, Endpoint-Security, status policy, Application control, IPS, Monitoring, Anti-Spam, Smart Provisioning, DLP using Checkpoint Firewalls    Maintenance and configuration of Cisco ASR1000 series and 7200VXR routers at data center and deployment of 3900, 3800, 2951 and 2821 for branch connectivity    Hands on using crimp tools, punch down tools to punch cables to the 110 data/voice blocks.    Communicating and escalating tickets with service providers for network outage issues.    Managing the DNS entries using Infoblox.    Configuring and implementing F5 BIG-IP, LTM, GTM load balancers to maintain global and local traffic    Monitoring Network infrastructure using SNMP tools HP NNM, Solar-winds and Opnet.    Escalation of procedures and customer notifications.    Experience in troubleshooting VLAN, STP (Spanning tree protocol), & Switch Trunk and IP subnet issues.    Worked on Physical site; latency and slowness issues in transmitting results within internal quest network.    Involved in complete LAN, WAN, Extranet redesign (including IP address planning, designing, installation, pre configuration of network equipment, testing, and maintenance) in both Campus and Branch

networks.   Experience working with Nexus 7010, 5020, 2148, 2248 devices.   Experience updating IOS on devices.   Configuring and implementing F5 BIG-IP Load balancer.   Experience with configuring Nexus 2000 Fabric Extender (FEX) which acts as a remote line card (module) for the Nexus 5000.   Installed, configured and set security policies on cisco and checkpoint firewalls, VPN   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.   Design and configuring of OSPF, BGP on Juniper Routers and SRX Firewalls. Configuring ASA Firewall and accept/reject rules for network traffic.   Designing, implementing LAN/WAN configurations on Cisco 5K, catalyst 6500 switches.   Installing, configuring Cisco Catalyst switches 6500, 3750 & 3550 series and configured routing protocol OSPF, EIGRP, BGP with Access Control lists implemented as per Network Design.   Expertise in maintenance of layer2 switching tasks which advocate VLAN, VTP, STP, RSTP, PVST, RPVST, configuring of ether channel with LACP and PAGP along with troubleshooting of inter-VLAN routing.   Packet capturing, troubleshooting on network problems with Wireshark, identifying and fixing problems Implementing, configuring, and troubleshooting various routing protocols like RIP, EIGRP, OSPF, and BGP etc.   Performing network monitoring, providing analysis using various tools like Wireshark, Solar winds etc.  Environment: Cisco 2948/3560/4500/3560/3750/3550/3500/2960 6500 switches and Cisco 3640/12000 /7200/3845/3600/2800 routers, Cisco Nexus 7K/5K, Cisco ASA 500, F5 BIGIP LTM, RIP, OSPF, BGP, EIGRP, LAN, WAN, VPN, HSRP. Network Engineer Computer Science Corporation January 2013 to May 2014 Computer Sciences Corporation (CSC) is an American multinational corporation that provides information technology (IT) services and professional services. Its headquarters are located in Falls Church, Virginia. CSC has 56, 000 employees in over 60 countries. Its clients include commercial enterprises and the U.S. federal government, as well as state, local and non-U.S. government agencies.   Responsibilities: Experience with implementing and maintaining network monitoring systems (Cisco works and HP Open view) and experience with developing complex network design documentation and presentations using VISIO.   Configuring various advanced features (Profiles, monitors, iRules,

Redundancy, SSL Termination, Persistence, SNATs, HA on F5 BIGIP appliances SSL termination and initiation, Persistence, Digital Certificates, Executed various migration/upgrade projects across F5 and hands on with F5 BIGIP LTMs/EM.    Experienced working with security issue like applying ACL's, configuring NAT and VPN    Responsible for implementation and day to day operations of all associated hubs, routers, bridges, gateways and related equipment    Troubleshoot wireless backhaul network providing MPLS, PNNI, VPLS, Layer3 VPN, Layer2 VPN and ATM services to product carrying 160 GB traffic. Multi service routers that perform Layer 2 and Layer3 functionality. Experience with convert Checkpoint VPN rules over to the Cisco ASA solution. Migration with both Checkpoint and Cisco ASA VPN experience    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.    Perform service assured upgrades on Multi Service router caring 160 GB traffic capacity. Troubleshoot and recover traffic outages within average recovery timeframe.    Collect crash info files from routers and execute system engineer command to analyze logs for root cause analysis (RCA), traffic affecting outages and trouble causing nodes.    Implemented the security architecture for highly complex transport and application architectures addressing well known vulnerabilities and using access control lists that would serve as their primary security on their core & failover firewalls    Build customer wireless network backhaul for root cause analysis of network using knowledge management solution.    Involved in documentation for WAN technologies T1/T3.    Test production and database in lab by rebuilding production network scenario to determine bug from router system.    Used Wire-shark as scanning and sniffing tools.    Delivered hand in Creating load balancing policies using BGP attributes like Local Preference, AS-Path, MED, Community etc.    Experience with Infoblox technologies. Maintained LAN and gave support on Layer 1 and Layer 2.    Configured VLANs with 802.1q tagging. Configured Trunk groups, ether channels, and Spanning tree for creating Access/distribution and core layer switching architecture.  Environment: Cisco 2960/3550/3750 switches and Cisco 1200/7200/3845/2800 routers, LAN, WAN, Infoblox, VPN. Network Administrator Value Labs May 2011 to December 2012 Responsibilities:    Worked on Cisco routers 7200, 3700

and Cisco switches 4900, 2900    Key contributions include troubleshooting of complex LAN/WAN infrastructure that include    Configured Firewall logging, DMZs & related security policies & monitoring    Creating Private VLANs & preventing VLAN hopping attacks & mitigating spoofing with snooping & IP source guard    Installed and configured Cisco PIX 535 series firewall and configured remote access IPSEC VPN on Cisco PIX Firewall    Enabled STP Enhancements to speed up the network convergence that include Port-fast, Uplink-fast and Backbone-fast    Configured network access servers and routers for AAA Security (RADIUS/ TACACS+)    Other responsibilities included documentation and change control    Responsible for Configuring SITE_TO_SITE VPN on Cisco Routers between Head Quarters and Branch locations    Implemented the security architecture for highly complex transport and application architectures addressing well known vulnerabilities and using access control lists that would serve as their primary security on their core & failover firewalls    Installation & configuration of Cisco VPN concentrator 3060 for VPN tunnel with Cisco VPN hardware & software client and PIX firewall    Involved in troubleshooting of DNS, DHCP and other IP conflict problems    Used various scanning and sniffing tools like Wire-shark    Hands on Experience working with security issue like applying ACL's, configuring NAT and VPN Documenting and Log analyzing the Cisco PIX series firewall    Configured BGP for CE to PE route advertisement inside the lab environment    Spearheaded meetings & discussions with team members regarding network optimization and regarding BGP issues.  Environment: Netrep, Solar winds, Windows XP. Education Bachelor's Skills BGP (8 years), CISCO (8 years), FIREWALL (6 years), ACCESS (6 years), CHECKPOINT (6 years) Additional Information Technical Skills: Operating Systems DOS, Windows 95/98, Windows NT/2000/XP/Vista/7/8    IP Routing RIPv1, RIPv2, BGP, OSPF, IGRP, EIGRP  Communication Protocols TCP/IP, UDP, DHCP, DNS, ICMP, SNMP, ARP, RARP, PPP, HDLC and ISDN  Topologies Frame Relay, ATM, T1, T3, OC3, OC12, OC48, Ethernet, Cable Modem, xDSL and Wireless  Network Peripherals  Hubs, Cisco switches (2900, 2924, 2950, 3550, 3560, 4000, 5500, 6500, 6509, 6513, ), Cisco routers (2600, 2800, 3640, 3700, 3825, 7200, 7204, 7206), Cisco PIX500 series, Cisco ASA 5500 series, Cisco 1200 Aironet Access Points, CSU/DSUs, network cards and Modems    Network Management Tools Whatsup,

MRTG, HP Open view, Cisco WAN manager, Cisco works 2000   Sniffers Ethereal (Wireshark) Software Microsoft Office 97/2000, MS Visio   Firewall Security Cisco ASA, Juniper SRX, Checkpoint, Palo Alto.

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