

Network/IT Engineer Network/IT Engineer Network/IT Engineer - Open Systems International Inc  
Saint Paul, MN A Solid Professional with expertise in Designing, Implementation, Administration, Operations and Troubleshooting of enterprise data networks as a Network Engineer. Excellent working knowledge of TCP/IP protocol suite and OSI layers. Expertise in IP Sub netting and worked on various designing and allocation various classes of IP address to the domain. Extensive work experiences with Cisco Routers, Cisco Switches and Cisco Firewall. Strong hands on experience in Installing, Configuring and troubleshooting of Cisco 2900, 2960, 3650, 3750 series switches, Cisco 1800, 2500, 2600, 2800, 3600, 3800 series Routers. Experience in skillful deployment of Layer-2 technologies like VLANs, VTP, STP, RSTP, Inter-VLAN routing, VLAN Trunking, Ether Channels, VLAN access-maps and port security. Expertise in configuring of SSH, TFTP, FTP, DNS, DHCP and Syslog. Expertise in configuration & troubleshooting of routing protocols and deployment of OSPF, EIGRP, BGP, MPLS, VOIP, IP Multicast and Policy routing over Cisco Routers. Experienced in configuring and implementing load balancers like F5 BIG-IP LTM 3900 and 6500. Experience in implementing site-to-site and remote access VPN Technologies using GRE, IPSEC & MPLS Implemented Security Policies using ACL, Firewall, IPSEC, SSL, VPN, IPS/IDS, AAA (TACACS+ & RADIUS). Profound knowledge on Nexus platform 7018, 5K series (5548, 5020 and 5010) and FEX (2248, and 2232) and deployed VPC, VDC, Fabric path and OTV and successfully implemented VSS on the Cisco catalyst switches. Proficient experience installing, configuring various Operating systems. Good knowledge and experience in Installation, Configuration and Administration of Windows Servers 2008/2012(R2)/2016, Active Directory, FTP, DNS, DHCP, TFTP under various LAN environments Experience with VMware vSphere Suite- vSphere Server, vSphere Client tools, vSphere WebClient, Esxi6. Experience with Installing, Configuring and troubleshooting Active Directory Domain Services Proficient in using MS Office- Visio, Excel, Word, IBM Rational DOORS for documentation. Work Experience Network/IT Engineer Open Systems International Inc - Medina, MN October 2016 to Present Responsibilities Configured operating systems, hardware and third-party software on client and server and workstations. Designed and develop deployment of Operating Systems, networking devices, and a

variety of 3rd party security software for customer DMS/EMS/OMS/SCADA systems. Patching and maintaining appropriate technologies such as operating systems/databases/ network/ storage solutions. Monitoring vendors' release notes and plan necessary upgrades and patches as required.

Install and configure 3rd party software such as MSSQL, MySQL, Windows SDK Compiler, Microsoft Office. Performed IOS upgrades on 2900, 3500 series Cisco Catalyst switches and 1800, 2600, 3600 series Cisco routers using TFTP. Cisco ASA Firewall OS upgrades to 9.x and Troubleshooting, IOS Security Configurations, IPsec VPN Implementation and Troubleshooting Used Cisco ASA 5540/5525/5505 firewall for Enterprise security, configured ACL's and PAT's for Internet requests to Server Farm in LAN and DMZ. Designed and Implemented Failover Configuration for firewall failover pair and monitor LANs for Failover. Provided site to site VPN services using IPsec and ISAKMP tunneling mechanisms. Maintained F5 BIG-IP LTM 6900 for providing application redundancy, load balancing and policies. Configured and maintained VPCs with 7010 and 5548 in the network. Also configured and maintained VDCs in 7010 switches, maintained VRFs in those separate VDCs. Performed network administration tasks such as creation and management of VLANs, Port security, Trunking, RPVST+, Inter-VLAN routing, and LAN security. Implemented VTP and Trunking protocols (802.1q and ISL) on 2960, 3560, 3750 and 4500 series Cisco Catalyst switches. Implemented port aggregation & link negotiation using LACP and PAGP. Involved in design, implementation and configuration of HSRP for load balancing on L3 switches on different location of office on the switched network. Installed Vcenter Suite including Vcenter Server Appliance/Vcenter server for Windows, Vsphere Client/Web Client, Esxi5/6 on host servers. Implement Active Directory Services for the customer systems including installing Active Directory Domain Services and DNS Service, configuring Group Policy Objects to create a secure Windows Infrastructure. Design and implement security best practices in various Operating System configurations. Network Administrator Nepal Engineering College - NP January 2012 to July 2013 Responsibilities: Education Masters Degree in of Electrical Engineering in Electrical Engineering South Dakota School of Mines - Rapid City, SD August 2013 to May 2015 Skills Catalyst (Less than 1 year), Cisco (Less than 1 year), Cisco ASA (Less than 1 year), DNS

(Less than 1 year), Firewall (Less than 1 year) Additional Information Technical Skills: Routers: Cisco 2600, 2800, 2900, 3600, 3800, 3900, 7200, 7600 Switches: Cisco Catalyst 2960, 3560, 3750, 4500, 4900, 6500 & Nexus 2000, 5000, 6000 and 7000 Routing Protocols: OSPF, EIGRP, BGP, RIP, PBR, Route Filtering, Redistribution, Summarization, Static routing. Switching Protocols: VLANs, Dot1Q, VTP, STP, RSTP, VLAN Maps, HSRP, GLBP, CEF, DCEF, Port Security, Nexus OTV and Fabric path. LAN/WAN Technologies: Ethernet, Frame relay, HDLC, PPP, T1, T3, OC Standard, DSL, ISDN. Protocols: IP, TCP, UDP, ICMP, NAT, DHCP, SNMP, IPSEC, SSL, HTTP, SSH, DNS, PAT. Firewalls & Load Balancers: Cisco ASA 5505, 5525, 5540 series, IPSEC, HTTP, IOS Firewall features, DMZ set up, F-5 LTM (3900, and 6900) Network Monitoring and Configuration Tools: Wireshark, Snort, Solar Winds, GNS3, Tera Term and Putty, Team viewer. Operating Systems: Windows (7/8.1/10), Window Server2003/2008/2012/2012R2/2016, Red Hat Enterprise Linux 5/6/7, Esxi 5/6. Third Party application: MS Office 2014/2016 Standard/Pro, MSSQL 2014/2016, MySQL, Oracle, SVN Server, VNC Viewer, Windows Compiler.

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