Karthik
Contact: Cathy Kopa
UNIVERSAL Technologies
518-542-6312
Ckopa@univstech.com

Professional Summary:

Senior Cisco Certified IT professional with over 10 years of experience managing, planning, networking, installing, configuring, and maintaining network and server devices including Cisco switches, routers, and firewalls.

- Experienced in Cisco Routing, Switching and Security with strong Cisco hardware/software experiences with Cisco Routers including 1900, 2900, 3900, Cisco ASR-1k/9k, Cisco Multilayer Switches 4500, 6500, Cisco Nexus 2k/5k/7k/9k, and Juniper M320, MX80, MX480, MX960, EX4200, and EX8200 switches.
- Expertise creating Disaster Recovery Plans for large organizations taking into account the enterprise's ability to withstand a disaster and the steps the enterprise would follow
- Hands-on experience on Infoblox tools including DNS and DHCP and allocating IP ranges on Infoblox.
- In-depth experience on Cisco Prime network management tool for managing and network monitoring.
- Expertise in the implementation of optimization, analysis, troubleshooting and documentation of LAN/WAN networking systems
- Proficient managing Cisco VoIP and understanding of IPV4 and IPV6 internet Protocols.
- Expertise in configuration of Virtual Local Area Networks (VLANS) using Cisco routers and multi-layer Switches and supporting STP, RSTP, PVST, RPVST along with troubleshooting inter-VLAN routing and VLAN Trunking using 802.1Q.
- Hands-on experience in deployment of GRE tunneling, SSL, Site-Site IPSEC VPN and DMVPN.
- Primary responsibility is to design, deploy and administer various network security and High Availability products including Cisco ASA and other security products.
- Experienced in Cisco Check Point and Cisco ASA firewall administration across global networks.
- Adept using Cisco catalyst 6509 and implementing VSS along with VDC and VPC on Nexus 5505 and 7009 switches.
- Technical experience with Bluecoat packet sharper S400, SG510 series and SG510-10 proxy edition, Bluecoat proxy SG/AV/ Director / Reporter and Bluecoat SSL Decryption.
- Hands-on experience on maintaining and operating Bluecoat manager and reporter, SG210-10-PR Blue Coat SG210-10 in two projects, and with Bluecoat proxy-proxy setup, troubleshooting the production issues and analysis.
- Hands-on experience working with Microsoft Azure, Amazon Web Services and Office 365 including Software as Service (SaaS) and Infrastructure as a Service (IaaS) cloud Technologies.
- Well-versed Symantec Endpoint Protection, System Center Endpoint Protection 2012, and VoIP/IMS networks.
- Hands-on experience with devices including CFX-5000, CMS-8200, HiQ 4200/4300/8000, and SD4250.
- Skilled with Algosec and Firemon threat and vulnerability management tools and FireEye and Firepower devices.
- Proficient configuring and troubleshooting BIG-IP F5 load balancer LTM.
- Skilled creating Virtual Servers, Nodes, Pools and iRules on BIG-IP F5 in LTM module.
- Extensive hands-on experience working with complex routed LAN and WAN networks and preparing technical documentation.

- Proficient troubleshooting network traffic and its diagnosis using tools including ping, trace-route, Wireshark, TCP dump and Linux operating system servers.
- Sound knowledge of Routing and Switching concepts and MPLS design.
- Experienced in managing inventory of all network hardware, Management and Monitoring by use of SSH, Syslog, SNMP, NTP.
- Expertise in OSI layer model/TCP/IP.
- Proficient using IBM QRadar SIEM platform in collecting and monitoring log data from enterprise and network devices.
- Experience deploying, configuring and troubleshooting all modules of FireEye in the business environment.
- Proficient in Cisco IOS for configuration and troubleshooting of routing protocols including MP-BGP, OSPF, LDP, EIGRP, RIP, BGP v4, MPLS
- Configuring, monitoring and troubleshooting Checkpoint, Cisco's ASA 5500/PIX security appliance, Failover DMZ zoning and configuring VLANs/routing/Natting with firewalls per the design.
- Experienced configuring Virtual Device Context in Nexus 7010 and Access Control Server configuration for RADIUS & TACACS+.
- In-depth knowledge and hands-on experience in Tier II ISP Routing Policies, Network Architecture, IP Subnetting, VLSM, TCP/IP, NAT, DHCP, DNS, FT1 / T1 / FT3 / T3 Sonet POS OCX / GigE circuits, and Firewalls.
- Experience with ASR 1000 series routers.

Cisco	Routers 2600/2900/3600/3800/7200/7600, L2 & L3 Switches 2900/3560/3750/3850/4500/4900/6500 series, Nexus 5K/7K, Cisco 6509
LAN Technologies	Ethernet, Fast Ethernet, Gigabit Ethernet, SMTP, VLAN, Inter-VLAN Routing, VTP, STP, RSTP, Light Weight Access Point, WLC
WAN Technologies	Frame Relay, MPLS, PPP, HDLC, E1/T1/E3T3, DS3, OC192
Network Security	Cisco ASA, ACL, IPSEC, SSL, Juniper SRX, ACL, IPsec, VPN, Port-security, AAA, Zone-Based Firewalls, IOS based router security firewalls, IDS/IPS, Palo Alto firewalls
OS Products, Services & Tools	DNS, DHCP, Windows 98/ME/2000/XP/Vista/7/8, UNIX, LINUX, Infloblox,Cisco IOS, Windows NT 4.0 (Desktop/Server), puppet, Windows Server 2000/2003/2008, Solaris, Active Directory, Apache Server, VMware V realize
Routing Protocols	RIP v1/v2, OSPF, EIGRP, IS-IS, BGP, PBR, Route Filtering, Redistribution, Summarization, Static Routing
Load Balancers	Gateway Load Balancing HSRP, VRRP, GLBP
Security and VPN	Checkpoint, PIX 500 Firewall, ASA 5505 Firewall, AIP SSM, CSC, SSM, FWSM, FortiGate, Cisco CSM, ACL-Access Control List, IPS/IDS, NAT, PAT, Cisco ACS, Juniper Net Screen Firewall, Windows Patch Management (WSUS), YARA rules
Other Features / Services	IOS and Features, IRDP, NAT, SNMP, SYSLOG, NTP, DHCP, CDP, TFTP, FTP
Network Management Tools	Cisco Prime, Wireshark, Net flow Analyzer, Cisco Works, Ethereal, SNMP, SolarWinds Orion, HP OpenView, Ethereal
Security Server Protocols	TACACS+, RADIUS
Facilities	DS0, DS1, DS3, OCX, T1/T3
Wireless	Cisco, Meru, Aruba
Wireless LAN Controller	Cisco AIR-CT2504-5-K9 2504 Wireless Controller - Network Management Device, Cisco AIR-AP1702I-A-WLC 2504 Wireless Controller
Juniper	EX-2200, EX-4200, EX-4500, MX-480, M Series, SRX210, SRX240
Load Balancers	Cisco CSM, F5 Networks (Big-IP) LTM 8900, Cisco ACE 4710, GTM
Firewall & Security	Checkpoint, Cisco ASA, Palo Alto, Splunk, McAfee SIEM
Optimization	Silver Peak
Network Technologies	MANET, SONET, TDMA, FDMA, CDMA, DSL, POP3

Education/Certifications:

- Bachelor's Degree in Electronics and Communication, Anna University, Chennai, India
- CCNA: Cisco Certified Network Associate ID – CSCO12835822
- CCNP: Cisco Certified Network Professional ID – CSCO12835822

Professional Experience:

Client: NYC School Construction Authority (SCA) through UNIVERSAL Technologies, New York, NY   **Mar 2018**
Title: Lead Cisco LAN/WAN Infrastructure Engineer

Responsiblities:
- Lead small team of Cisco engineers in the maintenance and support of Cisco switches and routers, LAN/WAN/VPN routers
- Be responsible for installing, maintaining and supporting Checkpoint Firewall appliances
- Take active responsibility for the optimal performance of the network and make recommendations for improvement as needed
- Support Cisco VoIP including Cisco Call Manager and Cisco VoIP Telephones
- Produce network design documentation

Client: Premera Blue Cross, Seattle, WA   **Mar 2017 – Mar 2018**
Title: Network Security Manager

Responsibilities
- Responsible for re-architecture and implementing Cisco Next Generation Firewalls across the network.
- Deployed Intrusion Detection System (IDS), Intrusion Prevention System (IPS), Advanced Malware Protection System (AMP) and URL Filtering for 17 Firewalls in the network.
- Deployed recent Code OS including Firepower threat Defense and Sourcefire code on various Cisco ASA models.
- Re-imaged Cisco 5516-X, 5525-X, 5555-X, 5585-X and 4140 Firewall series to FTD and source fire and upgraded to recent versions.
- Integrated Cisco Next Generation Firewalls into a centralized management center and managed all 17 Next Generation Firewalls through Firesight Management Center.
- Collaborated with Cross Functional Teams in deploying Splunk Server to the network and directing all the traffic from various network devices towards the Splunk Server.
- Collaborated with Tier 3 Operational teams during network down emergencies and various troubleshooting events.

Environment:
Cisco 5516-X/5525-X/5555-X/5585-X/4140 Firewalls, Splunk Server,

Client: Dover Corporation, Downers Grove, IL   **Aug 2016 – Feb 2017**
Title: Network Architect Manager

Responsibilities:
- Architected, troubleshot, and configured various sites and devices by following best practices.
- Architected network for various operating companies around the world and collaborated with people from different countries to ensure fullfill requirements.
- Created disaster recovery plan for with detailed information of steps to be followed during a disaster including protecting network infrastructure, server, database, softwares and IT documents by creating individual teams for each domain.

- Managed the Tier 3 Operational network team including providing support during critical troubleshooting on day-to-day activities.
- Executed ITIL processes, especially Incident, Problem, and Knowledge management.
- Utilized infrastructure Offerings like Dell EMC data storage solutions and cloud computing solutions like VCE.
- Responsible for F5 Load balancers, BIG – iQ, GTM, WAF.
- Organized meetings, created and executed action plans with Tier 3 team at various sites, and finished critical IT projects before deadlines.
- Performed site assessments and created best practice standards to tighten corporation network security policies.
- Responsible for working with Microsoft Azure, Amazon web services (Software as Service (SaaS) and troubleshooting network for Office 365 Infrastructure as a Service (IaaS)
- Configured and migrated around 30 sites to Cisco environment in a short span.
- Reserved IP address, DNS and DHCP using Infoblox tools.
- Implemented 802.1x capable network infrastructure.
- Configured and troubleshot Cisco Wireless controller and Wireless access points.
- Configured and deployed Zscalar web security cloud solutions and configured Riverbed Devices for WAN optimization.
- Deployed Sourcefire and Firesight management center for various Sourcefire enabled firewalls and Cisco Appliation centric infrasturcutre.
- Configured Checkpoint Firewalls NGTX with DLP.
- Worked on Cisco ASA 5516-X FirePOWER Services Security Appliance.
- Deployed web, email, content, endpoint security and Forensic Analysis using most FireEye Devices.
- Managed Cisco Meraki firewalls.
- Responsible for Microsoft public key infrastructure (PKI) solution.
- Responsible for maintaining knowledge on security information and event management (SIEM) and playing a key role in deploying SIEM at Dover Corporation.
- Configured Firepower for 30 ASA-X devices and integrated into Firesight Management Center FMC and implemented Intrusion detection system, Intrusion prevention system, Malware protection system and Web URL Filtering on various FWs from centralized defense center.
- Deployed ISE with ACS and NAC Guest at headquarters.
- Utilized Cisco Web security appliance WSA.
- Configured Open DNS for most most Firewalls for web filtering.
- Configured and troubleshot S2S VPN, Remote access VPN, and MPLS at various networks.
- Deployed Intrusion Prevention system on the Networks using Checkpoint IPS and HP TippingPoint.
- Completed ASA migration projects before deadlines.
- Configured Aruba Remote access points Aruba RAP-155P at four locations in USA and integrated into Aruba WLC.
- Managed and monitored the entire network and migrated IPV4 to IPV6 using Cisco Prime.
- Worked with wireless LAN controller like Aruba 3000 Series Mobility Controller and Cisco AIR-CT2504-5-K9 2504 Wireless Controller the Network management device within the Cisco wireless model.

Environment:
MS Azure, AWS, Cisco ASA 5516-X FirePOWER, Juniper, Checkpoint NGTX/IPS, Fortigate, PF Sense, Meraki, SonicWall, Algosec, Qualys Guard Vulnerability Management, Fortify, Active Directory, Open DNS, DHCP, VMware, Broadcom Wireless LAN, Office 365, Zscalar, Riverbed Devices, Sourcefire, Firesight, Firemon, FireEye, S2S VPN, HP TippingPoint, Aruba RAP-155P/WLC, Aruba 3000 Series Mobility Controller, Cisco AIR-CT2504-5-K9 2504 Wireless Controller

Client: State Farm, Bloomington, IL	**Mar 2015 – Jul 2016**
Title: IT Infrastructure Manager	

Responsibilities:

- Handled various projects from US clients on networking, server, and disaster recovery management.
- Managed a Project team of 8 IT and was responsible for completing critical and crucial IT projects within a given timeframe.
- Organized, planned and assigned tasks to IT engineering team during project through completion.
- Installed, configured and troubleshot Cisco Routers ASR1002X, 3945, 3845, 2800, 3600 and Switches to perform functions at the Access, Distribution, and Core layers.
- Configured, upgraded and deployed Nexus 7010, 5596 and 2248.
- Designed and implemented LAN/WAN configurations on Cisco Nexus 5K and Catalyst 6500 switches.
- Managed and monitored DSHS Network.
- Worked with Riverbed Virtual Steel Fusion Core 1000-L appliances.
- Deployed Cisco ASA 5516-X FirePOWER Services Security Appliance to Firesight Management Center (FMC).
- Deployed FireEye Network Threat Prevention Platform with Intrusion Prevention (NX w/IPS), Threat Intelligence, Malware Analysis Platform (AX), and Central Management.
- Utilized Vasco Identity Solution which is a two factor authentication data security server.
- Responsible for IBM QRadar SIEM platform.
- Configured and resolved various OSPF issues in an OSPF multi area environment.
- Implemented and configured BGP WAN routing and converted OSPF routes to BGP (OSPF in local routing).
- Responsible for utilizing Cisco call manager and managing Cisco VoIP technology.
- Reserved all devices with its IP address and name and documented all functional devices using Infoblox.
- Maintained layer 2 switching tasks including VLAN, VTP, and RSTP, configured ether channel with LACP and PAGP, and troubleshot inter-VLAN routing.
- Worked on Movius Mereon 6000, ASAv and AVS and Cisco ACI Infrastructure.
- Connected ACI to Layer 3 external networks using ACI Fabric Path and configured ACI for remote Authentication in the respective organization.
- Managed project task to migrate from Cisco ASA firewalls to Check Point firewalls.
- Converted PIX rules over to Cisco ASA solution.
- Converted Check Point VPN rules over to the Cisco ASA solution and migrated with Cisco ASA VPN.
- Worked with Aruba remote access points and Aruba wireless controllers presented at state farm IL.
- Performed migrating of Cisco ASA 8.2 to Cisco ASA 8.4.
- Responsible for working with Broadcom and wireless LAN controller Cisco AIR-CT2504-5-K9 2504 Wireless Controller the Network management device within the Cisco wireless model.
- Installed and configured Microsoft Proxy Server 2.0 and Bluecoat Proxy.
- Troubleshot production issues on Bluecoat proxy setup.
- Migrated independently managed Bluecoat proxy appliances to Bluecoat director centralized management console.
- Implemented URL filtering requests in Bluecoat proxy SG for website block list and whitelist purposes.
- Configured and installed F5 New Virtual Servers, Profiles, I Rules, Pools, Nodes, Generate CSR Certificate, and SSL Certificates.
- Managed F5 Big IP GTM appliances to include writing iRules, SSL offload and everyday tasks of creating WIP and VIPs.
- Provided consultancy services to customers on a variety of network security products including firewalls, VPNs, authentication, load-balancing F5, data loss prevention, security information and event management.
- Configured profiles, provided and ensured high availability of F5 BIG-IP LTM 8900.
- Deployed many load balancing techniques using F5 and CSM load balancers with multiple components for efficient performance.

- Configured HA (high availability) in F5 load balancers, IAPPS templates, and IRULES on F5 LTM 6900.
- Assigned LDAP servers and Microsoft Active Directory to F5 load balancer for accessing user member groups.
- Configured F5 LTM 8950, 6900, and VIPRION 2400 models.
- Performed packet capturing and troubleshot network problems including identifying and fixing problem using Wireshark.
- Implemented, configured, and troubleshot various routing protocols including EIGRP, OSPF, and BGP.
- Performed network monitoring and provided analysis using various tools including Wireshark and SolarWinds.
- Redesigned Internet connectivity infrastructure for meeting bandwidth requirements.
- Configured, implemented, and troubleshot VLAN's, VTP, STP, Trunking, and Ether channels.
- Installed and configured Cisco Catalyst switches 6500, 3750 and 3550 series and configured routing protocol OSPF, EIGRP, BGP with Access Control lists implemented per Network Design.
- Utilized McAfee EPO deploying agent either with EPO.
- Configured, upgraded and verified the NX-OS operation system.
- Configured and managed Cisco access layer routers and switches.
- Provided support for troubleshooting and resolving customer reported issues.
- Configured and managed OSPF redistribution and authentication with type 3 LSA filtering to prevent LSA flooding and configured OSPF over frame relay networks.
- Designed, configured, implemented and troubleshot (LAN) VLAN's, VTP, Spanning Tree (STP), Trunking (dot1q and ISL) and Ether channel.
- Implemented site-to-site VPN in Juniper SRX as per customer.
- Implemented various EX, SRX & J series Juniper devices.
- Implemented and managed traffic engineering on top of an existing Multi-Protocol Label Switching (MPLS) network using Frame Relay and Open Shortest Path First (OSPF).
- Configured HSRP for network redundancy and high availability.
- Designed LAN (Ethernet) and WAN infrastructure for the new Data Centre using MS Visio.
- Configured VPN for site-site and remote access, designed and configured IP address schemes, and maintained Cisco hardware and Cisco IOS upgrade.
- Configured Cisco 1231 Access points with 5959 and 4941 antennas (802.11/a/g).

Environment:
Cisco Routers ASR1002X/3945/3845/2800/3600, Nexus 7010/5596/2248, Cisco Nexus 5K, Catalyst 3550/3750/6500, Riverbed Virtual Steel Fusion Core 1000-L, Cisco ASA 5516-X FirePOWER Services Security Appliance, Vasco Identity Solution, IBM QRadar SIEM, Infoblox, Movius Mereon 6000, Check Point, Aruba, Cisco ASA 8.2/8.4, Cisco AIR-CT2504-5-K9 2504 Wireless Controller, Microsoft Proxy Server 2.0, Bluecoat Proxy, Websense, F5 Big IP GTM 8900, F5 LTM 6900/8950, Active Directory, VIPRION 2400, Wireshark, SolarWinds, McAfee EPO, MS Visio

Client: United Nations, New York, NY	**Nov 2013 – Feb 2015**
Title: Sr. Network Manager	

Responsibilities:
- Managed a team of 6 IT network engineers and was responsible for network solutions.
- Configured IP RIP, PPP, BGP and OSPF routing.
- Configured and troubleshot routing protocols including MP-BGP, OSPF, LDP, EIGRP, RIP, and BGP v4.
- Configured IP access filter policies including Cisco CLI, Cisco Works, Network Security, and Network Analysis Tools.
- Utilized Cisco call manager to manage VoIP phone system.
- Utilized Riverbed Inc Riverbed Steelhead CX 3070 B010 - Application Accelerator.
- Responsible for Check Point Firewall policy provisioning.
- Hands on experience in Cisco Sourcefire 3d Sensor 3d8250 Firepower 8000 Series.
- Decrypted SSL/TLS protected traffic to detect and block inbound malware and exploits.
- Integrated all Cisco ASA 5506X and 5508X to FMC (Firesight Management Center).

- Decrypted outbound command and control (CnC) communication to stop intrusion and data exfiltration.
- Identified, designed and implemented flexible, responsive, and secure technology services.
- Responsible for Firewall Administration, Rule Analysis, Rule Modification.
- Troubleshot traffic passing managed firewalls via logs and packet captures.
- Executed various migration and upgrade projects across F5 and hands on with F5 BIGIP LTMs/EM.
- Performed network monitoring using Riverbed SteelCentral NetShark 2170 - network monitoring device.
- Integrated sites to central management using FireEye NX, AX, FX and also central management.
- Secured configurations of load balancing in F5, SSL/VPN connections and troubleshot CISCO ASA firewalls and related network security measures.
- Configured Virtual servers, load balancing algorithms, Nodes load balancing pools and Session based persistence in F5.
- Configured F5 LTM 8950, 6900, and VIPRION 2400 models.
- Implemented Site-to-Site VPNs over the Internet utilizing 3DES and AES/AES-256 with ASA Firewalls.
- Responsible for Cisco ASA firewall administration across global networks.
- Applied ACLs for Internet access to servers using Cisco 5550 ASA firewall and performed NAT.
- Performed remediation and implementation of firewall rules from Check Point firewalls to Cisco ASA firewalls.
- Dealt with Cisco ASA 5550 by providing advanced application-aware firewall services with identity-based access control, denial of service (DoS) attack protection all built upon market-proven Cisco PIX Security Appliance technology.
- Configured and resolved various OSPF issues in an OSPF multi area environment.
- Collaborated with telecom vendors for network fault isolation.
- Hands-on experience with WAN (ATM/Frame Relay), Routers, Switches, TCP/IP, Routing Protocols (BGP/OSPF), and IP addressing.
- Installed different system software and installed and managed network devices including Hubs and Switches.
- Worked on Bluecoat ProxySG Web Application Firewall protection service.
- Troubleshot production issues on Bluecoat proxy setup.
- Good experience in Bluecoat proxy SG/AV/ Director / Reporter and Bluecoat SSL Decryption
- Supported network operation center using network management tools and sniffers including SNMP, HP OpenView, Wireshark, Splunk, SolarWinds and Cisco Prime Infrastructure.
- Designed and configured Overlay Transport Virtualization (OTV) on Cisco NX-OS devices including Nexus 7000.
- Set up OTV between the data centers using Nexus 7K and performed VPC, VDC and ISSU software upgrades.
- Hands on experience with Cisco UCS 5108 Blade Server Chassis
- Migrated independently managed Bluecoat proxy appliances to Bluecoat director centralized management console.
- Installed and configured Microsoft Proxy Server and Bluecoat Proxy.
- Worked with SG210-10-PR Bluecoat SG210-10 proxy edition device.
- Utilized PuTTY, Win SCP, Active Directory, VoIP, Web Sphere Application Server, Apache, Eclipse, Databases (DB2, Oracle, and SQL Server).
- Responsible for Layer 2 switching technology architecture, implementation and operations including L2 and L3 switching and related functionality and the use of VLANS, STP, VTP and functions as they relate to networking infrastructure requirements including internal and external treatment, configuration and security.
- Configured and troubleshot Cisco Catalyst 6509 and 7613 with supervisor cards.
- Estimated Project costs and created documentation for project funding approvals.
- Managed various teams involved in site surveys, cabling specifications, Network equipment installation and configuration.
- Planned resources and presented project status to higher management.
- Deployed 7613 as PE and CE router and configured and troubleshot the Edge Routers.

- Responsible for troubleshooting T1, T3, OC-3 and OC-12.
- Created and delivered internal trainings for BGP.
- Configured egress and ingress queues for ISP facing routers using CBWFQ.
- Generated RCA (Root Cause Analysis) for critical issues of layer1/layer2/layer3 problems.
- Designed and implemented Cisco VoIP infrastructure for a large enterprise and multi-unit office environment.
- Met aggressive schedule to ensure a Multi-office reconfiguration project was successfully delivered
- Responsible for service request tickets generated by the helpdesk in all phases including troubleshooting, maintenance, upgrades, patches and fixes with all around technical support.
- Supported EIGRP and BGP based PwC network by resolving level 2 and 3 problems of internal teams and external customers of all locations.

Environment:
Riverbed Steelhead CX 3070 B010, Check Point Firewall, Cisco Sourcefire 3d Sensor 3d8250 Firepower 8000 Series, FireEye NX/AX/FX, Cisco ASA 5506X/5508X, F5 BIGIP LTMs/EM, Riverbed SteelCentral NetShark 2170, F5 LTM 8950/6900, VIPRION 2400, Cisco 5550 ASA, Bluecoat ProxySG Web Application Firewall, SNMP, HP OpenView, Wireshark, Splunk, SolarWinds, Cisco Prime Infrastructure, Cisco NX-OS, Nexus 7000, Cisco UCS 5108 Blade Server Chassis, Microsoft Proxy Server 2.0, Bluecoat SG210-10, PuTTY, Win SCP, Active Directory, VoIP, Web Sphere Application Server, Apache, Eclipse, DB2, Oracle, SQL Server, Cisco Catalyst 6509/7613, Cisco VoIP

Client: Univar, Redmond, WA	Aug 2012 – Oct 2013
Title: Sr. Network Engineer	

Responsibilities:
- Configured and troubleshot HSRP, BGP, OSPF, EIGRP, MPLS WAN, QoS and Route Maps.
- Configured and maintained Cisco 7200, 4400, 5000 and 6500 platforms.
- Troubleshot connectivity issues involving VLAN's, OSPF, and QoS.
- Supported, monitored and managed the IP network.
- Responsible for managing Cisco ASA 5508-X FirePOWER Services Security.
- Upgraded Cisco ASA 5510 firewalls using 6500/7600 Catalyst modules for an enhanced performance, security and reliability.
- Reviewed security policy and configured in Palo Alto and Juniper SRX Firewall in the datacenter.
- Troubleshot Cisco routers including ping, trace route and basic issues.
- Responsible for understanding the JUNOS platform and worked IOS upgrade of Juniper devices
- Performed layer-3 Routing and layer-2 Switching.
- Worked on Nexus models including 7K, 5K, 2K series, Cisco router models including 7200, 3800, 3600, 2800, 2600, 2500, 1800 series, and Cisco catalyst 6500, 4500, 3750, 3500, 2900 series switches.
- Worked with Cisco VCS Expressway
- Conducted performance monitoring of various applications and web servers to maintain quality of service and network stability.
- Worked on F5 LTM, GTM series like 6400, 6800, 8800 for the corporate applications and their availability.
- Configured and implemented F5 Big-IP LTM and GTM load balancers to maintain global and local traffic.
- Performed load balancing and application level redundancy by deploying F5 BIG-IP LTM 3900.
- Accountable for SAN migrations, LUN creations, and masking removal, Citrix XenApp, XenServer, and Xen Desktop design and implementation, and Citrix NetScaler configurations and maintenance.
- Skilled in Cisco UCS Smart Play 8 C240 M4 SFF Value Plus Server and AudioCodes MediaPack Series MP-118 - VoIP gateway
- Decommissioned older Cisco equipment and replaced with Nexus platform including Nexus 2048's, 5596 and 56128 platforms.
- Worked on CISCO ASA5506W-B-K9 ASA 5506-X with FirePOWER SVCS.
- Configured and troubleshot FireEye modules and investigated security threats.

- Utilized Bluecoat packet sharper S400, SG510 series.
- Maintained and operated Bluecoat Manager and Reporter, troubleshot production issues on Bluecoat proxy setup and installed Bluecoat SG510 Series SG510-10 Proxy Edition - Security appliance at required locations.
- Maintained core switches, created VLAN's and configured VTP.
- Designed IP Addressing schemes, VLAN tables and Switch port assignments, Trunking and Ether-channel implementation.
- Installed and set up Cisco routers and switches according to deployment plans.
- Applied access lists and NAT configurations based on implementation guidelines.
- Responsible for change management and monitoring network performance with network tools.
- Responsible for IP Distribution for existing and devices as added.
- Preformed equipment maintenance, device upgrades, modification of configurations, password changes and diagnostic testing.
- Configured FEX, VPC, Port-Channel on Cisco Nexus Switches.
- Designed and implemented Cisco VoIP infrastructure for a large enterprise and multi-unit office environment.
- Collaborated with vendors and Engineering team to test new hardware and procedures.
- Prepared and maintained documentation using MS Visio.

Environment:
Cisco Routers 7200/3800/3600/2800/2600/2500/1800, Cisco Catalyst Switches 6500/4500/3750/3500/2900, Access Control Server, VLAN, BGP, Trunk Protocols, Bluecoat SG510 Series SG510-10, Cisco ASA 5100, DHCP, DNS, SAN, Spanning Tree, Nimsoft, Windows Server, Windows NT, Cisco 7200/4400/5000/6500, Cisco ASA 5508-X/5506H-X FirePOWER Services Security, Infoblox, Palo Alto, Juniper SRX, Nexus 7K/5K/2K, F5 LTM/ GTM 6400/6800/8800, F5 Big-IP LTM/GTM, MS Visio

Client: Hourglass IT Solutions Pvt Ltd, Tamil Nadu, India	Mar 2009 – Jul 2012
Title: Network Engineer	

 Responsibilities:
- Migrated RIP V2 to OSPF, BGP routing protocols.
- Configured EIGRP for Lab Environment.
- Implemented ISL and 802.1Q for communicating through VTP.
- Gathered requirements to determine Network Requirements and deployed network infrastructure to meet the requirements.
- Designed solutions for frozen requirements using Cisco Routers and Switches.
- Created VLAN and Inter-VLAN routing with Multilayer Switching.
- Completed service requests including IP readdressing, bandwidth upgrades, and IOS/platform upgrades.
- Provided technical consultancy for better application response using QoS.
- Monitored network and server performance to identify potential problems and bottlenecks.
- Performed RIP, OSPF, and BGP EIGRP routing protocol administration.
- Installed wireless access points (WAP) at various locations in the company.
- Built and maintained Visio documentations for clients.
- Maintained redundancy on Cisco 2600, 2800 and 3600 routers with HSRP.
- Provided real time monitoring and network management using Cisco Works LMS.
- Provided technical support on hardware and software related issues to remote production sites.

Environment:
RIP V2, OSPF, BGP, EIGRP, Cisco Routers 2600/2800/3600 and Switches, MS Visio

Client: Infochola Solutions Pvt Ltd, Chennai, India	Feb 2007 – Feb 2009
Title: Jr. Network Engineer	

 Responsibilities:
- Provided organizational technical support on software, hardware and network.

- Updated Operating System, Antivirus and Service Packs and installed and upgraded hardware and software.
- Performed general activities of LAN administration on switches, routers, hubs, modems, Wi-Fi, and network printers.
- Installed computer hardware, software, printers, wired, wireless network management, maintenance and troubleshot devices and network problems.
- Troubleshot and installed network printer HP, Canon, and Dot Matrix Printer.
- Maintained LAN/WAN products including Hubs, Switches, and Routers.
- Installed and configured Intel Express 530t L3, Cisco-2960s/x switches and configured different VLans.