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### Technical Summary:

- A result focused Network/Security Engineer with over 15 years' experience specializing in LAN, MAN and WAN technologies
- Expertise spans computing, networking, security and content switching, from design through implementation and support
- A project management expert recognized as a solution provider with excellent analytical troubleshooting skills and the ability to respond with urgency to customer's needs

### Key Expertise Areas:

**Routing Protocols:** BGP, OSPF, IS-IS, EIGRP, RIP

**LAN & WAN:** MPLS, OC3, DS3, DS1, Frame Relay, ISDN, Async, VPN, L2TP, VLAN, Private VLAN, WLAN, Trunking, Ethernet, EtherChannel, Fibre, VTP, STP, HSRP, VRRP, GLBP, etc

**Security:** RADIUS, TACACS+, Security Server, Defender, Mars, Firewalls, Taps, IPS, DLP, PAT, NAT, ACL, PKI, IKE, IPsec, GRE, SSL VPN; MD5, SHA, RSA, DES, 3DES, AH, ESP, WCCP, Proxy, URL Filtering, WSUS, Symantec, etc

**Hardware:** Cisco 7200, 6500, 4500, 4451, 1000, 3850, 3845, 3750, 3500, 2900, 1900, 1800, 800, Nexus5548; ASA, Pix, Juniper SA4000, Bomgar, Check Point 21600, 12600, 4800, Nokia IP series, Sonic Wall/RedCreek Firewall/VPN, RadGuard VPN, Nortel Contivity VPN, Concentrators, BlueCoat ProxySG 9000, 900, 810, 510, 500-20-M5; Citrix Netscaler 11500, 8200, 7000; Cisco CSS 11500, BIG-IP/3DNS, Taps, etc.

**Tools/Utilities:** Solarwinds, OptiView, CiscoWorks, HP Open View, SiteScope, MRTG, PRTG, eHealth, Syslog, enVision, SNMP, Sniffers, Security Scanners, MIB Pro, NetIQ, , WhatsUp Gold, Route Explorer, Altiris, Kiwi Cat Tools, WinSCP, Scrutinizer, IPSentry, Live Action, ADAudit Plus, etc.

**OS & Apps:** Cisco IOS, Windows 2xxx, Mac, Linux, Exchange, IIS, DSN, WINS, Terminal Server, Active Directory, LDAP, Window Cluster, Citrix, VMWare, SharePoint, etc.

**VoIP & Wireless:** Cisco VoIP, CallManager, Unity, Avaya, QoS. Cisco WLC, WCS, Cisco AP, 3Com, Motorola, Linksys, Zoom wireless products, etc.

### Professional Experience:

**DentaQuest, Boston, MA**

**06/08 to Present**

#### Network Systems Engineer

One of the biggest dental insurance companies in America, with 12 sites either MPLS or Ethernet linked. Two main inside data centers right now are in the process of being migrated to CGI data centers in Phoenix, AZ and Andover, MA.

- Participated in migrating legacy Frame Relay connections to MPLS cloud among company's 12 sites. Conducted router configuration, circuit activation, testing, cutting-over and on-going support
- Involved in setting up redundant routes by building dynamic VPN using GRE tunnel technology among company key sites
- Successfully upgraded several company key sites' WAN and Internet connections, greatly enhanced connection speed. Successfully expanded LAN in several sites, increased backbone speed

- Heavily involved in building up company's next generation dental care system Windward, built tiered, robust, secure networks, support daily network and security requests
- Manage all security equipment including CheckPoint firewalls, Cisco ASA, Pix, Mars in Production, Staging and Labs throughout the company
- Manage all BlueCoat devices, including WAN accelerators and Proxies, filtering URLs and services based on company security policy and best practice
- Set up Cisco CSS load balancers for production and staging environments and on-going support all CSS as well as Netscalers
- Manage all company Citrix gateways, help troubleshooting Citrix issues. Setup EdgeSite for monitoring and troubleshooting Citrix issues
- Designed, deployed and manage wireless networks in four company sites using Cisco technologies.
- Build VPN tunnels between company and partners, support individual users' VPN connections
- Successfully deployed VoIP networks in several company sites. Successfully deployed company Video conference network and company-wide Lync instant messaging network. QoS tuned the traffic

**Wellington Management Company, Boston, MA**

**03/08 to 06/08**

**IS Consultant**

- Upgraded company backbone connection from 1Gb to 10Gb
- Supported and troubleshot network, content switching and security problems

**Boston Communications Group, Inc., (BCGI), Bedford, MA**

**04/07 to 02/08**

**Network Engineer III**

Managed and supported data and voice networks throughout 5 office sites, 2 data centers and over 100 spoke locations, spanning Frame Relay, ISDN, Async, DS1, DS3, OC3, IPsec VPN, L2TPv3 tunnel, MPLS, etc.

- Set up OC3 connection between company new site and communication hub
- Established layer-two tunnel connections using L2TPv3 technology, avoided extra IP usage and routing complexities for the company move, greatly reduced user impact
- Built Embarq connection platform involving multiple layer 2, layer 3 connections, HP enclosure, blade servers, VMware, HP Procurve switches, diameter gateway technologies
- Provided 24/7 support to production connectivity, ensuring prompt reaction to various network problems; conduct post mortem analysis and suggest correction and improvement methods
- Supported a network that runs a mix of different technologies, such as static, EIGRP, OSPF, BGP, DDR, redistribution, HSRP, etc on multiple redundant connections
- Managed traffic global/local load balancing to distributed data centers and web farms using BIG-IP/3DNS and implemented new host installations, scripts and updates.

**MTM Technologies, Peabody, MA**

**02/06 to 03/07**

**Senior Network Engineer**

Provided 24/7 management services to production datacenter and customer networks on routing, switching, security, content switching, remote access, operating systems, etc. Provide Cisco shared support to customers.

- Setup, configured and troubleshot all security devices, such as ASA, Pix, Juniper, Check Point, IDS, IPS, VPN
- Configured various routers and switches, troubleshot all kinds of routing and switching problems
- Setup and optimized all kinds of content switching devices, like CSS, Netscaler, BIG-IP and Alteon
- Monitored and maintained IPT network, solving problems related to CallManager, Unity and QoS
- Provided consulting service on various technical issues. Provided Cisco shared support on all kinds of network devices

**Amadeus N.A., LLC, Waltham, MA****10/00 to 11/05****Network Engineer**

The leading global distribution system (GDS) and technology provider, serving marketing, sales and distribution needs of the world's travel and tourism industries.

Responsible for 3 production related network sites with approximately 60 network nodes and office networks with about 40 network nodes, e.g. routers, switches and load balancers. In addition, responsible for various security work, including configuring firewalls, network IDS, host IDS, setting up VPN, security server and also worked closely with well branded industry parties to ensure annual production site certification.

- Designed and played a key role in planning production networks relating to network layers, redundancy, load balancing, IP schemes, security and management
- Hand built full redundant, load balanced production network, Staging and WebFare networks
- Assisted in building and fully managed Delta Airline MYOB Travel networks
- Set up network connections to remote offices, peer GDSes, vendors, partners and corporate customers through different technologies, such as T1, frame relay, X.25, VPN, SSL
- Set up VPN connections for site-to-site, SOHO and mobile users through different hardware and software solutions
- Implemented tap, network IDS and host IDS, on-going maintenance, update and monitoring of these systems
- Set up firewalls and ACLs to enforce strict inbound and outbound traffic controls according to company policy
- Set up Cisco Secure Access Control Servers in multiple sites using TACACS+ or RADIUS protocol
- Implemented security standards and requirements for compliance by networks and hosts to ensure site certification
- Installed and tuned Cisco LDR to achieve satisfactory traffic load balance to web farms
- Implemented various tools, e.g. MRTG, syslog, sniffers, HP Open View, CiscoWorks and SiteScope to monitor networks, identify network issues and solve problems promptly
- Supported a mixed Windows and Linux network environment, consisting of Compaq, Dell and EMC hardware.

**Zoom Telephonics, Inc., Boston, MA****4/98 to 9/00****Senior Network Engineer**

Provided technical support to Help-Desk team, resolving escalated problems. Managed all network/security devices and servers.

- Project Manager for Network Attached Storage System which delivered cost savings and increased efficiency
- Planned and set up wireless LAN, integrated the entire LAN and enforced security
- Upgraded Class 3 subnet to Class 2. Implemented dynamic IP, setup DHCP, WINS and DNS. Configured Cisco routers, Cisco and Bay Network switches, firewall and proxy
- Set up VPN access to corporate network
- Set up and maintained MS Exchange messaging system. Goldmine contact database system.

**Blessing/White, Inc., Princeton, NJ****3/97 to 4/98****Systems Manager**

Hands-on Technical Manager responsible for installation, maintenance and support of a over 200-node network, both LAN and WAN, administrative work including troubleshooting, optimising, data protection, disaster recovery, training, purchasing, auditing, service contracts and documentation.

- Maintained Novell NetWare network, implemented Windows NT rollout plan, migrated NetWare to Windows NT network

- Maintained and troubleshot MS Mail system. Developed and implemented MS Exchange rollout plan. Installed and configured MS Exchange Server 5.0 and migrated MS Mail system to MS Exchange system. Migrated MS Mail and MS Mail Remote clients to MS Exchange and Outlook clients
- Installed and configured MS Proxy Server, set up gateway and firewalls for Internet access. Configured Windows Sockets for secure transaction service
- Maintained a Lotus Notes network, installed and configured Notes servers and clients, upgraded system from version 4.0 to 4.2 then to 4.5
- Hand built servers and workstations.

**Certifications:**

- Cisco Certified Network Professional (CCNP)
- Cisco Certified Network Associates (CCNA)
- Microsoft Certified Systems Engineer (MCSE)

**Education:**

- MBA, International Business, Johnson & Wales University, Providence, RI
- BS, Computer Science - Nanjing University, Nanjing, China

**Training:**

- BlueCoat WAN Acceleration & Proxy - 2013
- Citrix XenApp 6.5 - 2012
- CheckPoint Security Admin - 2011
- Cisco Nexus 1000V – 2010
- VMWare Infrastructure 3 – 2009
- Big-IP Training - 2007
- Hacker Techniques, Exploits & Incident Handling - 2005
- Microsoft Certified Training Program - 1997