

## SENIOR NETWORK ENGINEER

### Accomplishments

- Strong hands on experience in installing, troubleshooting, configuring of Cisco ASR, 12000, 7200, 3900, 3800, 2900, 2800, and 1800 series Routers, Cisco Catalyst 6500, 4500, 3750, 2950 and 3500XL series switches.
- Juniper M5, M10, M20, M40 series Routers.
- Hands on experience working with Cisco, Nexus 7K, 5K & 2K Switches.
- Expert level knowledge of troubleshooting, implementing, optimizing and testing of static and dynamic routing protocols such as OSPF, BGP, EIGRP, MPLS, WAN, MAN, LAN and TDM Ethernet.
- Juniper SSG/ISG/SRX and Cisco ASA security with IDS/IPS.
- Ability to interpret and resolve complex route table problems.
- Expert Level Knowledge about TCP/IP and OSI models.
- In-depth expertise in the analysis, implementation, troubleshooting & documentation of LAN/WAN architecture and good experience on IP services.
- Extensive Knowledge on the implementation of Cisco ASA 5500 series and checkpoint R 75 firewalls.
- Implementation of traffic filters on Cisco routers using Standard, extended Access list.
- Cisco ASA Firewall troubleshooting and policy change requests for new IP segments.
- Worked on NXOS, IOS, and IOS-XR and N7K-NXOS, Arista EOS.
- Experience in F5, Cisco ACE 4710 Load balancers.
- Experience in deploying BIG-IP F5LTM Load Balancers for load balancing and traffic management of business application.
- In-depth knowledge and hands-on experience on IP Addressing, Sub netting, DNS, DHCP, VLSM and ARP, reverse & proxy ARP, Ping Concepts.
- Experience in working with video from end-point in the network to the backend.
- Knowledge of implementing and troubleshooting complex layer 2 technologies such as VLAN Trunks, VTP Ether channel, STP, RSTP and MST.
- Experience on Virtual Private Network (VPN) for operating Network and Data Center.
- Implementation of HSRP, VRRP and GLBP for Default Gateway Redundancy.
- Intermediate experience in working with operating systems like Linux, Unix and Ubuntu Experience in working with Windows power shell scripting to maintain and administrating server environments.
- Solid understanding of operational principles, such as capacity planning, monitoring and incident handling.
- Implementing multi-vendor service-oriented WAN/MAN/LAN network topologies Designing Juniper and Cisco (Catalyst, Nexus) MPLS/BGP, OSPF and TDM/Ethernet Designing Juniper, Cisco, Palo Alto and Fortigate firewall solutions Juniper SSG/ISG/SRX and Cisco ASA security with IDS/IPS Network and Server Virtualization Network Load Balancing Solutions (Juniper, Cisco, F5) Broad experience in strategic, multi-protocol, network and security planning, design, implementation and operation.
- Providing security analysis and design skills in multi-platform, LAN/WAN environments.
- An effective technology engineer who delivers positive, consistent and timely results.

### Professional Summary

Highly-motivated, large-enterprise and service-provider network architect with extensive experience in implementing and supporting Juniper, Cisco and Palo Alto systems in production networks and data center environments, with strategic and creative approach to finding solutions to network issues.

### Skills

- PCM/TDM, VoIP, MGCP, SIP, ISDN, SS7, TCP/IP, ATM, Frame Relay, X.25, SNA, SCAL, NSPP
- Networking: CISCO Routers 2000 and 3000 series and Catalyst Bridges, Routing Protocols IGRP, EIGRP, BGP, OSPF, RIP, DNS, DHCP
- Telecommunications: Sonus Networks PSX/GSX Softswitch Gateway, Nortel DMS 250 Switch, Nortel DMS 500
- Switch, Nortel DMS ACD Switch, Alcatel/DSC DEX 600 Switch, ATT 5ESS Switch, Alcatel/DSC DXC1/L, Titan 550, DXC, System88 Adjunct Processor, Siemens Packet Switch, IDNX, CSU, DSU, Echo Cancellor/Supressor, Channel Banks, M13, Fujitsu Fiber Optics Equipment
- Transmission: DS0, DS1, DS2, DS3, OC3, OC12, OC48, OC192
- Operating Systems: Sun Solaris, UNIX, HP UNIX, DEC VMS, DEC UNIX, DOS, Windows, VMWare, Linux
- Hardware: Sonus Networks Softswitch Gateway GSX9000, Sun Netra 1400, HP N4000, DEC ALPHA, DEC VAX, DEC Workstations, IBM PC, DECnis Routers (Nortel) Bay Hubs Ethernet Switch, HP Advisor, VMWare Virtual Machines,
- Data management

### Work History

Senior Network Engineer , 02/1997 to 09/1999

Dechert LLP – TX

- Worked with Juniper SPACE and Juniper STRM for modeling/testing and operation.
- OSPF/BGP routing.

- 802.1q (QinQ) VLANs Routing/Switching; OSPF Redesign (200+ Sites); BGP Redesign (Dual Home); Cisco 7600 Core/Cisco 2800 (Cisco env: Cisco 6500; OSPF/BGP; multi-vendor International MPLS L3 VPN) Design/Implementation/Operation of Juniper J-Series/M-Series L3 backbone( J 4350, M10i).
- Employ Service-Provider best-practice policies to ISP/NSP/Co-location customers.
- Data-Center planning, design, build-out, and operation.
- Manage Systems & Network teams.
- BGP- Transit design; Expanded Core Network Design to include BGP-route-reflection design.
- Implement best-practice methodologies designing and implementing network installations.
- Multi-datacenter consolidation involving financial IPSec design/implementation.
- Operation and Engineering of 3000+ leased lines and 56,000 dial-up customers.

Senior Network Engineer , 09/1999 to 06/2000  
Dechert Llp â€“ Austin , CA

- Specializing in Juniper and Cisco solutions for enterprise environments.
- Cisco Nexus (7710, 5010, 2000) and Juniper (EX, MX, SRX) and Palo Alto (PA-3K/5K) architecture.
- Enterprise and Service Provider environments Engineer a VPN solution using Virtualized Firewalls and SSL-VPN VM's.
- Juniper SA5000 and Palo Alto VPN and Firewall Virtual Machines.
- Juniper/Cisco/Palo Alto eBGP design.
- Manage Redundant Juniper and Cisco Firewalls (SRX3400, SSG JunOS/ScreenOS ASA 5500) Data Privacy, Security and Network Review.

Senior Network Architect , 07/2000 to 04/2002  
Iboss â€“ Los Angeles , MN

- Replace existing Fortigate FWs with Juniper SRX 650/240); Replace existing HP L2 Enterprise Switching Juniper w/EX4200/2200 IPSec VPN Removal of Default VLAN and migration to new L3 network.
- Implement Network Redesign of HP/Cisco Switch Network and Firewall Redesign.
- Planning/Design/Implementation/Operation of Juniper SSG -> SRX (3400-3600 Clusters) Firewall and replacement of MPLS Core Cisco 6509 with Juniper M20i.
- Implement SSL-VPN using Juniper (SA4500, SA2500).

#### Skills

5ESS, ACD, ATM, BGP, Bridges, Cisco, CISCO Routers, Hardware, Sc, CSU, DEC, DEC ALPHA, DEC VAX, designing, DHCP, DNS, DOS, DSC, DSU, EIGRP, Engineer, Ethernet, Fiber Optics, financial, Firewalls, Firewall, Frame Relay, Gateway, HP, Hubs, IDNX, ISP, ISDN, Linux, Windows, 2000, migration, modeling, Enterprise, Network Design, Network, Networking, Networks, Nortel, Operating Systems, OSPF, IBM PC, Protocols, RIP, Routers, Routing, Siemens, SNA, Sun Solaris, SS7, SSL, Sun, Switch, TCP/IP, TDM, Telecommunications, Transmission, UNIX, HP UNIX, VPN, VM, VMS, VoIP, X.25

#### Education

High School Diploma : 1994  
T.E.D. Ankara College - City