



<b>Objective</b>	Senior Network Consulting Engineer
<b>Summary of Qualifications</b>	<ul style="list-style-type: none"><li>• 15 years of industry experience in Planning, Design, Implementation, and Operations of IP networks.</li><li>• Broad skill set includes LAN/WAN design, Security, Voice/Video over IP, Internet architecture, Unix/Microsoft system administration, client/server programming.</li></ul>
<b>Employment History</b>	<p><b>EC Outlook, Houston TX</b></p> <ul style="list-style-type: none"><li>• Cisco PIX Firewall Configuration and Deployment</li><li>• Cisco Secure VPN Hardware and Software Client Planning and Implementation</li><li>• 3DES-encrypted IPsec VPN Tunnel Configuration and Repair</li><li>• Checkpoint Firewall and VPN configuration</li><li>• SolarWinds and HP Openview Network Monitoring and Management</li></ul> <p><b>Dynegy Inc., Houston TX</b></p> <ul style="list-style-type: none"><li>• Spanning Tree, VLAN Trunking, and HSRP configuration for Catalyst 6509s.</li><li>• OSPF and Multicast design, documentation and protocol configuration repair.</li><li>• Debugging and documentation of IP Multicast infrastructure.</li></ul> <p><b>Cisco Systems, San Jose CA</b></p> <ul style="list-style-type: none"><li>• Lead Architect of Cisco's global H.323 Video-over-IP infrastructure.</li><li>• Responsible for designing a video solution addressing QoS and Admission Control, scheduled and ad-hoc two-way and multi-point conferences, group and desktop cameras, collaboration, multi-service seven digit dialing, and scalability to support 20,000 users in the US, Europe and Asia.</li><li>• Influenced product and business development by delivering technology and solution architectures that measurably improved Cisco's profitability and productivity.</li><li>• Provided Campus Area Network experience to global Strategic Architecture Technology Services team for internal Voice-over-IP deployment.</li><li>• Designed test lab to validate newly engineered AVVID hardware and software prior to campus-wide deployment of Call Manager 3.x, Catalyst Voice Gateway modules, IP Contact Center and Interactive Voice Response Systems.</li><li>• Research and development for enterprise-wide deployment of MS Active Directory integration with Cisco CallManager.</li></ul> <p><b>Compaq Computer Corporation, Houston TX</b></p> <ul style="list-style-type: none"><li>• Lead campus LAN engineer supporting entire 25 building, 250-acre corporate HQ.</li><li>• Personally responsible for project management and implementation of all Compaq's LAN construction needs, with multi-million dollar budgetary discretion.</li><li>• Drafted and enforced premises cabling distribution standards.</li><li>• <b>Duties</b> included inspection of copper and fiber cabling and testing for compliance with EIA/TIA standards; selection, purchasing, staging, configuration and installation of Cisco and Extreme Networks routers and switches; preparation of exceptionally detailed wall-size network design documents.</li><li>• <b>Projects</b> included design of a 5000-user Gigabit Ethernet LAN for the campus in 1998, a migration plan for all off-campus WAN sites in Houston/Harris County to join Compaq/DEC's next-generation "GlobalNet", and a secure, high performance network for the Treasury Department's trading floor.</li><li>• <b>Initiatives</b> included upgrading communication and server rooms to category-5 cabling campus-wide, sniffer analysis of network problems, segmentation of over-utilized broadcast domains into new subnets, and deployment of a campus-wide development network for the product divisions.</li></ul>

### **Morgan Stanley / Van Kampen American Capital**

- Design consultation and implementation of a geographically diverse Windows NT domain infrastructure with SMS-based application delivery and inventory control.

### **American Express Travel Services**

- Designed and built a software “test bench”, enabling customer to validate each release of their Internet-based travel booking program against every possible combination of supported Operating System and email platform.

### **Sepco Industries**

- Total design of the Internet architecture for customer’s LAN, including web, news and email, involving extensive customization of sendmail and DNS.
- Implemented a PC-based Unix proxy server using the TIS toolkit, including http, ftp and telnet proxies.

### **Exxon Upstream Technical Computing Company**

- Development of a Unix-based network backup program, porting of the software to multiple Unix variants, and development and repeated delivery of a weeklong training class.

### **Schlumberger / GeoQuest Systems**

- Initially assigned to debugging and maintenance programming until superior performance led to reassignment on product development teams.
- Responsible for Geoshare’s Zycor “half-links” (a pair of utilities which convert one vendor’s data formats to and from a generic format)
- Coding and support for Enhanced Scaled Seismic Plotting raster-graphics subsystem
- Design and coding of a Well Markers module and X Window user interface for customer’s IESX seismic analysis product.

## **Skill Summaries**

### **Network**

10BaseF, 10BaseT, 100BaseFX, 100BaseTX, 1000BaseSX, 1000BaseLX, multi-mode/single-mode, Pentascanner / Wirescope TDR/OTDR, ISDN BRI/PRI, T1, Frame Relay, DS3, DSU/CSU, FDDI, Token Ring, ATM, TCP/IP, NetBEUI, NetBIOS over TCP, AppleTalk, VLANs, VTP, Spanning Tree, PVST+, DHCP, WINS, Cisco 2600/3600/7500 interface processors/cards and port adapters, Catalyst 4000/6000, HSRP, BGP, EIGRP, Bay Networks 5000/28000, Extreme Networks Summit / Black Diamond, RIP, OSPF, Multicast, PIM, VLSM, RFC1918, CIDR, NAT, Network General Sniffer, Voice over IP, H.323, RSVP, 802.11

### **Unix**

Gcc, gdb, vi, make, Purify, cvs/rcs/sccs, Solaris, HPUX, AIX, FreeBSD, Linux, SCO, Irix, Ultrix, ksh, bash, sh, csh, tcl/tk, expect, C, X, Motif, kernel, DNS, NNTP, SMTP, NFS

### **Security**

PIX, Checkpoint, PPTP, packet filters, access-lists, VPN, s/key, IPSEC, PKI, 3DES

### **Applications**

Word, Excel, PowerPoint, Outlook, Optivity, OpenView, CiscoView, WinInstall, Remedy, Exceed, Cisco CallManager, Microsoft Active Directory

### **Desktop**

DOS, Win9x/NT/2K/XP, PC Hardware, PC Unix, MacOS

### **Database**

MS Access, MS SQL Server, Embedded SQL