



Objective	Senior Network Consulting Engineer in a forward-thinking global enterprise.	
Summary of Qualifications	15 years of industry experience covering all phases of Planning, Design, Implementation, and Operations of IP networks. Broad skill set includes LAN/WAN design, Security, Voice/Video over IP, Internet architecture, Unix/Microsoft system administration, and client/server programming. Repeated winner of monthly, quarterly and yearly leadership and performance awards. I make it work right—whatever it takes.	
Employment History	March 2003 – Present	Handel Consulting, LLC
	<ul style="list-style-type: none">• Cisco PIX Firewall Configuration and Deployment• Cisco Secure VPN Hardware and Software Client Planning and Implementation• 3DES-encrypted IPSec VPN Tunnel Configuration and Repair• Checkpoint Firewall and VPN configuration	
	Sept 1992 – March 2003 Dynegy Inc., Houston TX	Sprint Paranet Senior Technical Consultant 2 month contract
	<ul style="list-style-type: none">• Spanning Tree, VLAN Trunking, and HSRP configuration for Catalyst 6509s.• OSPF and Multicast design, documentation and protocol configuration repair.	
	Cisco Systems, San Jose CA	3 year contract
	<ul style="list-style-type: none">• Lead Architect of Cisco's global H.323 Video-over-IP infrastructure.• 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.• Influenced product and business development by delivering technology and solution architectures that measurably improved Cisco's profitability and productivity.• Provided Campus Area Network experience to global Strategic Architecture Technology Services team for internal Voice-over-IP deployment.• 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.• Research and development for enterprise-wide deployment of MS Active Directory integration with Cisco CallManager.	
	Compaq Computer Corporation, Houston TX	2 year contract
	<ul style="list-style-type: none">• Lead campus LAN engineer supporting entire 25 building, 250-acre corporate HQ.• Personally responsible for project management and implementation of all Compaq's LAN construction needs, with multi-million dollar budgetary discretion.• Drafted and enforced premises cabling distribution standards.• Duties 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.• Projects 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.• Initiatives 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.	

- Morgan Stanley / Van Kampen American Capital **7 month contract**
- Design consultation and implementation of a geographically diverse Windows NT domain infrastructure with SMS-based application delivery and inventory control.
- American Express Travel Services **7 month contract**
- 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 **1 month contract**
- 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 **9 month contract**
- 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.
- GeoQuest Systems **2 year contract**
- 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/scss, 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