

# Kenneth Lombardi

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## System Administrator

Creative and accomplished IT professional with extensive hands on experience launching new technology projects and guiding them into working production environments. CTO and Sys Admin for regional ISP for over 14 years. Proven ability to establish and direct successful IT departments, implement cutting edge technology, as well as assemble, train and lead exceptional technical teams to manage and support those new technologies. *Core Competencies include:*

- |                            |                   |                        |
|----------------------------|-------------------|------------------------|
| –Deployment/Implementation | –Training         | –Problem Resolution    |
| –Requirement Analysis      | –Vendor Relations | –Contract Negotiations |
| –Consensus Building        | –System Design    | –Customer Support      |
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### — Summary —

- Responsible for cooperative direction and design, installation, engineering, implementation, support, training, and administration of a multi-homed WAN/LAN infrastructure using Cisco routers for TCP/IP routing with multiple points of presence across Frame Relay, ATM, dedicated T1s and fiber T3s servicing over twelve thousand subscribers.
- Act as Information system engineer/director/technician and network services manager for all routers, servers (30+), workstations, switches, firewalls, security, media, data backup, system redundancy, system services, as well as research and acquisition of new technologies for regional ISP.
- Written Acceptable Use and Privacy Policies, training, and hardware/software installation manuals. Write/publish Web content for end-user education.

### — Professional Experience —

#### Independent Contractor, Pierce County area,

Current

#### Information Technology

- Maintaining local and wide area network environments for small and medium businesses.
- Troubleshooting network and Internet connectivity.
- Installing/maintaining hardware systems, including workstations, servers and printers.
- Managing software updates, patches, client licensing, security issues, and backups
- Also working in Social Media policy, design and implementation.
- Maintaining Blog, writing articles and working on the second draft of a novel.

#### HarborNet - Pierce County, WA

Jan 1994 - Aug 2008

#### CTO/System Administrator

- System Administrator of regional Internet Service Provider (ISP) in Central Puget Sound for 14 years.
- Developed technology resources and strategic partnering plans to facilitate growth of subscriber base to over 12,000 individual system accounts.

- Coordinator between businesses and web developers during design phases and rollout of e-commerce solutions to best meet defined business requirements.
- Managed SQL services for accounting department using Windows 2003 server and MS-SQL. Wrote queries for specialty reports and data migration. Managed SQL for e-commerce sites using LAMP with MySQL and windows servers with MySQL and MS-SQL. Backup and migration of databases.
- Design, build, and installed SMTP/POP servers using Windows (Exchange/WorldMail) and Linux (Sendmail/Postfix) based solutions for a number of small and medium sized businesses. Trained company personnel on administration and support.
- Integrated security into all phases of system development and use. Studied and implemented NIST and CISSP security processes.
- Built rack mount servers to support BSD/OS and Ubuntu for supplying core TCP/IP services such as DNS, FTP, SSH, TLS/SSL, HTTP, TFTP, SMTP, POP, etc. Also used Red Hat, Ubuntu Linux for Anti Spam/Virus/Malware, NSF, MySQL and Samba services..
- Designed, built and integrated servers running Windows NT and later Windows 2000, 2003 and 2003 R2 for FrontPage, IIS, and MS SQL E-commerce projects.
- Tested virtualization of various network services using VMWare running on Linux and Windows Server hosts.
- Developed plan and trained technicians in administration of OS and service patches on servers and workstations. Managed all router and \*NIX server OS upgrades and patches..
- Successfully resolved several DDOS attacks against the ISP as well as a root kit based attack on a subscriber's Windows 2003 IIS server and several PHP code based intrusions on customer web servers.
- Worked with the FBI and local police department gathering forensic data in a multiple cases involving usenet and ICQ.
- Worked closely with business subscribers to define and implement design solutions that fulfilled their telecommunication, remote access, security and network storage/workflow needs.
- Negotiated and managed relationships between backbone and telecom carriers including Century Tel, US West/Qwest, Sprint-link, AT&T, and Click! Network
- Engineered configuration and installation of Cisco multi-service access routers with carefully designed subscriber policies controlling private virtual circuits across ATM to offer DSL services to business and private subscribers. As demand grew migrated DSL to Inverse Multiplexing on dedicated routers to bond multiple T1s for supplying VLANs to DSL customers across private and public IP space.

### **Peninsula Computers - Gig Harbor, WA**

**1989-Aug 2008**

Co-owner

- Founded Local Area Network hardware sales and support company. Novell, Unix, Microsoft, Mac OS. Designed, custom built and maintained a successful computer workstation and server line.
- Engineer, acquire and install hardware and software for corporate VPNs and remote desktop access using IPSec, SSL, PPTP, Hamachi, PC Anywhere, Remote Desktop, vnc, etc.
- Received awards from Tacoma Chamber of Commerce, Lions Club, Rotary for community projects
- Hired and trained many young people who have continued on to successful careers in various areas of Information Technology

**Tacoma Computer Network - Tacoma, WA** **1986-1988**  
Manager

- Promoted to manager first year. Continued to help develop company until it was sold in 1988.

**Computer Network Services - Honolulu, HI,** **1983 - 1985**  
Network Technician, Assistant Manager

Built, sold and supported multiple computer systems/OSes (CP/M, MS-DOS, etc). Received Company sales award 2 years in a row.

### — Technical Summary —

**Languages:** C, dBase, HTML, PHP, Perl, BASIC, GW/Applesoft/Structured BASIC, C Shell (csh), bourne shell, Bourne again shell (bash)

**Servers and Systems:** BSD/OS, Red Hat/Mint/Ubuntu Linux, IIS, MS-DOS, MS-Windows 2000, 2003, Cisco IOS, Mac OS-X

**Hardware:** Rackmount servers, Wintel Desktop and notebooks, Mac Desktop and notebooks, Cisco Routers, Term Servers (Lucent, Livingston, Ascend, Bay Networks), Barracuda E-mail and Web Security, CacheFlow -Blue Coat load balancing, csu/dsu, numerous firewalls and small routers

**Software:** MS Office Products (Word, Excel, Visio), Adobe Photoshop, Illustrator, Apple iWork, Open Office, Document Management tools (Scrivener, XyWrite), MRTG, SAMBA, MySQL, MS-SQL, MySQL Administrator. Web content tools such as Smultron, AlleyCode, and Wordpress. Network and management tools such as Nmap, NScan, Ping Plotter, XNmap, Ethereal/Wireshark, VNC, Terminal Emulators, vi, tcpdump, RootkitRevealer, Sysinternals, Cell phone management (BitPim, Motorola Phone Tools), Gizmo, Skype, Fring and Social Networking Tools.

**Recent Training:** BSD Administration, Cisco IOS, TCP/IP Routing, Advanced Cisco routing

### — Education —

Continuing Education through Qwest Interprise (various) - Cisco IOS and network design, advanced IOS  
University of Washington extension, Seattle - C programming - extension classes

Puget Sound Technology - BSD Unix system Administrator training

University of Hawaii, Honolulu - Database programming, C programming night classes

National Air College, San Diego - Airline Transport Pilot Certificate

University of California, Berkeley - Physics major, Computer Science Minor

Los Angeles Valley College - Mathematics

### — Skills —

Wide range of business and personal skills. Ability to design, implement, review and finish projects of various types having run a business with 21 technical team members for many years. Ability to self-educate in order to accomplish goals. Read, understand and write English. Written several software and hardware instruction manuals and developed training syllabus for students. Written a novel of 70k plus words. Produced TV commercial for HarborNet and a local Restaurant - developed online instructions for self installation of broadband hardware and software on Click! cable modem network. Have written several database utilities in C and a point of sale program in dBase and C.