PETER T.THELEN
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OBJECTIVE:	Seeking a position which utilizes my background in the areas of Network Administration and / or System Integration Test, either in a research & development, engineering, manufacturing or corporate environment.
EDUCATION:	B.S. In Computer Science, National University, San Jose, CA (GPA 3.9) - Courses in C Programming, Pascal, Data Structures, Algorithms, Unix Tools, IBM 370 Assembly, Database Design, Compiler Design, OS Design.
	Upper Division Coursework for B.S.E.E San Jose State University, San Jose, CA Network Analysis, Logic Design, Microprogramming, System Analysis, Fields and Waves, Vector Analysis.
	Additional Specialized Professional Training: Windows 2000 Administration & Security, Windows NT Administration, Unix Administration, Legato Networker, Oracle 8.0 administration, Multi-User Paradox, PAL Programming

AREAS OF
KNOWLEDGE

- **OPERATING SYSTEMS:** UNIX (Sun, AIX, DEC, HPUX), Win NT, 2K, 95, 98, Linux, Lynx, pSOS
- **LANGUAGES:** C, Pascal, 370 Assembly, Perl, PLC Ladder Programming, HTML, UNIX shell
- **SERVER APPLICATIONS:** Legato Networker, Netscape Enterprise Server, Veritas backup-exec, Mcafee Virus Scan Enterprise ed, Sendmail, SMAP, Bindview EMS, Tripwire, PDM Works.
- **DBMS LANGUAGES:** Paradox/PAL Programming, Focus, SQL, Filemaker Pro, DBase III+
- **PC APPLICATIONS:** Microsoft Office suite, MS Project 98, Quark-X-Press, Eudora, Visio 2000, Netscape, Hummingbird Exceed, Corel Draw Suite 8.0, Act! 2000, Acrobat/Approval, various utilities.
- **HARDWARE:** PC based Hardware & Peripherals (Servers, Desktop Clients, Laptops), UNIX Workstations and Fileservers (HP, DEC, IBM, Sun), RAID units, NAS Units, WAN, Routers, Firewalls, Ethernet Switches, Hubs, Tape Autoloaders/Jukeboxes, UPS units, Modems, Terminal Servers, KVM switches, Image Scanners, Printers (Laserjet, Inkjet, Line Printers), Digital Cameras.

TECHNICAL
EXPERIENCE:

SIGNAL TECHNOLOGY CORP, Sunnyvale CA   9/99 – 1/04
• **Network Administration** Responsibility for all aspects of PC and Network maintenance and Planning for the entire California division (~150 users), including desktop support for an HP3000 based ERP system (WDS). Account management, backups & restores, hardware & software installs, desktop PC support. Researched, planned and budgeted for major equipment and infrastructure upgrades. Brought entire division into full Year-2000 compliance within a 3 month period. Replaced antiquated and unreliable MS Mail post-office system with a three-server LINUX based POP3/SMTP email system; set up servers, email clients, and gave classroom user training on email client software. Replaced antiquated network infrastructure, cabling, switches, and hubs. Set up firewall based VPN to support remote users. Planned and implemented a fully functional digital photo studio supporting web efforts. Introduction of paperless systems in document control. Set up Windows 2000 domain controller with active directory, and migrated domain from Windows NT. Set up domain accounts, groups, shares, printers, and security. Implementation of administrative applications such as Bindview EMS. Scripting in Win2000 Shell, Linux, Perl. Replaced PC based 4mm tape backup with Sun/Legato/DLT based system, eventually migrating to AIT2 Autoloader. Setup network based CAD, engineering and PDM applications and license servers. Documentation of internal network and standard procedures where previously none had existed.

ENTEGEE, Los Gatos, CA   6/99-8/99
• **UNIX Administration** Contract assignment at Envive Corp., Mountain View CA. (Software startup) Responsible for administration of all UNIX systems. Maintenance of NIS, DNS, email accounts, system backups, and all things UNIX. Researched and proposed specific hardware and software upgrades. Exhaustive documentation of all UNIX systems within the company for planning purpose of future planning for hardware and software upgrades and purchases. Operating system installations (HPUX and Solaris 7). Assisted NT administrator when needed.

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TECHNICAL
EXPERIENCE
(CONT.)

ITRON INC. Saratoga, CA 1996-1999
• **Network Administration** (1998-1999) Primary Administrator of UNIX and Win NT networks, responsible for 6 Sun servers (handling Pop3, NIS, Internal Web, Backups, Email, Usenet, DNS, Majordomo, authentication, fileserver) 2 NT Servers (PDC/BDC handling NT domain authentication, PC fileserver, Print server) and 150 Network clients (NT, 95, 98, AIX, DEC OS) in an engineering/ R&D environment. Maintaining user accounts, backups and restores, radius, samba, sendmail, majordomo, Y2K patches, hardware repair and upgrades,OS upgrades. Desktop support. Internal web based bug-tracking system support. Created network design documentation using Net-Viz, including logical layout and drawings of the network topology. Documented various processes necessary to perform network administration.

• **System Integration Test Engineer**. (1997-98) Developed and executed comprehensive test plans for Itron's Automatic Meter Reading Fixed Network system for use within the development phase. Testing in mostly UNIX, Lynx and pSOS environments, some NT and DOS. Organization of test data and analysis of results, communication of problems found via bug tracking system. Some experience with QA Partner. Involved interfacing with development team for general product improvement over several releases of the product. Assisted primary Sysadmin with administration of testing areas.

• **Network Administration**. (1996) Primary PC administrator for Itron Silicon Valley. Administering NT and Netware 3.1 servers as well as Win 95 and Win NT desktopclients. PC hardware install/upgrades and Unix TCP/IP issues, as well as Mac OS. Applications support for MS Office, Netscape, Eudora, etc.

AMDAHL CORPORATION, Sunnyvale, CA 1981 to 1996
• **Surface Mount PCBA Manufacturing Engineer**. (1995-96) Process Development on surface mount line, including all programming on Panasonic high speed Chip Shooter and Megamation Fine Pitch Placement robot, working with Gerber data, NC Machine Code, using software tools like GC-Place, Panatools, etc. Contract Manufacturing production planning, bring-up, documentation, and debug.

• **Software Development.** (1990-95) Developed a complete Automatic Service, Parts and Labor Tracking system for the in-house service organization and calibration lab. System resulted in accurate tracking of hours applied to specific problems, helped to identify problem machines, and increased line availability to over 97% due to reduced problem response time and proactive maintenance procedures implemented as a result of the visibility the system provided. System operates in real time over a network of 12 PCs from a Unix based server. Wrote all initial specifications, wrote the bulk of the code (in Paradox/PAL), all documentation, and Trained at the user and system level.

• **Technical Instructor, Manufacturing Process and Test Machines**. (1988-93) Gave in-depth technical training (Classroom and Hands-On) for the repair and maintenance of prototype manufacturing and test equipment; Included the acceptance, install, bringup and periodic software and hardware modifications on said equipment during its lifetime. Worked closely with Manufacturing Engineers on process bringup issues, as well as adapting the machines for product changes.

• **Senior Technician, Electrical Metrology Lab.** (1981-88) Developed Amdahl's first fully functional NIST Traceable Calibration depot. Wrote all the initial procedures and workflow processes. Lab was ISO-9002 Certified. Component level troubleshooting, repair and calibrations on a wide array of Test and Measurement systems. Technical Instruction.

MANAGERIAL
EXPERIENCE:

EXPOSÉ NEWSLETTER, Newark, CA (1993-present, part time)
•**Editor & Publisher.** Editorial coordination of fifteen regular staff writers to produce a respected quarterly music publication. Arranging and conducting interviews, critical writing and reviewing. Advertising sales, product sales, subscriptions, & general public relations. Preliminary layout w/Quark. All bookkeeping and financial responsibilities. Website development & maintenance.