

ANDREW SOLMSEN

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Objective A demanding, growth-oriented position creating and maintaining information infrastructure and managing technical staff for an organization committed to using high technology to empower and support its personnel.

Summary of Qualifications Fifteen years of experience working with leading-edge information technology in high-pressure, task-oriented environments, including supervising technical staff. Solid troubleshooting abilities, particularly resolving complex problems associated with heterogeneous networks. Very knowledgeable about all major desktop and network operating systems, including Windows 3.x, 95/98, NT/2000XP, MacOS, Solaris, HP-UX, Linux, NT/2000 Server, and NetWare 3.x and 4.x (CNE 9/94). Strong understanding of open and proprietary standards and protocols including TCP/IP, IPX, AppleTalk, NFS, SMB, NCP, AFP, DNS, SMTP, FTP, POP, IMAP, HTTP, X-Windows, PPP, PPTP, etc. Excellent hardware skills including Ethernet, Fast Ethernet, switched and routed network architectures, PC component replacement/repair, PC assembly/integration, and network cabling and installation. Deep knowledge of current software, including productivity tools (Microsoft Office, etc), graphics tools (Freehand, Visio, PhotoShop, etc.), multimedia tools (Premiere, QuickTime, etc.), communications tools (Microsoft Internet Explorer, Netscape Navigator/Communicator, FTP clients, Eudora, IMAP clients, etc.) utilities (backup, virus, management, protocol analyzers, etc). Proficient at purchasing, negotiating with vendors, managing technology acquisition and maintenance, etc. Good communications and management skills, including supervisory and training roles.

Related Experience 09/99 – present: Independent Computer Consultant
Principal, Bitboy Enterprises, Santa Monica, CA

Independent consultant servicing organizations and individuals throughout the Los Angeles area. Clients include Renaissance Herbs, for whom I have implemented a new Windows 2000 Server-based network running on Dell equipment, with Internet connectivity and virtual private networking to other locations. I have also ordered and configured desktop workstations, printers and other IT-related tasks. I have also implemented Windows 2000 and Linux networking solutions including file-sharing, DNS, domain management, MS Exchange, and other services for wideorbit.com of San Francisco. I have implemented digital media and internet solutions for WorldShowbiz.com USA, and Linux networking and internet solutions for SGVMedia and the Athenaeum Fund of Pasadena, CA.

06/98 – 09/99: Network Manager
Synerdyne Corp., Santa Monica, CA

Responsibilities included all aspects of computer technology for a leading-edge consumer electronics design firm. I took over a facility that had been seriously neglected and was not meeting the needs of the staff, and implemented a comprehensive upgrade program to bring all facets of the facility up to current practice and technology. I replaced a 56K leased-line Internet connection with a high-speed DSL line, and upgraded the existing Livingston router with a powerful, expandable Linux-based solution at half the cost of a

less capable solution from Cisco. I have built a new network server to handle SMB and NFS file/print services and DNS, LDAP, SMTP/POP/IMAP, NIS, and more for 12 domains, and pulled all DNS functions in-house for better control. I upgraded a seriously deficient physical infrastructure to Category 5 twisted pair and reorganized the main cabling distribution facility to current standards. I implemented a program for stricter control and documentation of software purchases to meet license requirements. I revised the NT domain structure for better fault-tolerance and a simpler, more robust network. I have implemented Windows NT 4.0 as the new standard OS for desktop PC's, and upgraded inadequate hardware to new Pentium II machines along the way. I handled almost all aspects of purchasing and acquisition of new equipment, and made sure that what was re-usable in the existing facility got put to use in the best possible way.

05/97 – 06/98: Network Manager

Metron, Inc. Simulation Sciences Division, Solana Beach, CA

Responsibilities included upgrading of about 10 Macintosh, 4 Windows 95 and 10 HP-UX 9.x systems with little connectivity to a powerful, integrated network encompassing 14 Windows 95, 15 Windows NT, 5 Macintosh, 12 HP-UX 10.x, 1 Solaris, 1 SGI, and 4 Linux systems, including data conversion and end-user retraining. I converted a proprietary AppleShare/QuickMail server to an open-standards based Linux server performing file sharing via NFS, SMB and AFP for universal access by Unix, Windows, and Mac systems, SMTP/POP/IMAP e-mail, and NIS and LDAP directory services. I built and demonstrated Linux-based development platforms that reduced program compilation times to several minutes from several hours on HP workstations costing two to three times as much. I built and implemented a Linux-based WWW server handling 4 domains. I set up remote users for telecommuting and teleconferencing via a PPTP-based Virtual Private Network over the Internet, substantially reducing access costs. I enabled secure connectivity with our government sponsor on the classified SIPRNET network, including the use of cryptographic equipment (the first non-military or non-governmental organization with such a connection). I brought all DNS functions in house from our ISP. I reoriented all network cabling for efficient use of switched and fast Ethernet technology, and then converted the single shared Ethernet network segment to use a high-speed Cisco Ethernet switch. I handled all training, troubleshooting, purchasing, repairs, etc.

06/90 – 05/97: Network Manager

Metron, Inc., Scientific Consultants, Reston, VA

Responsibilities included management of all information technology resources for a growing high-tech company. While employed by Metron, Inc., the company grew from about 20 to about 80 employees at this location, and went from about 30 computers (Macs, PCs, Apollo workstations, and a Sun) to over 300 machines encompassing PC, Mac, Sun, HP, SGI and other platforms. Operating systems in use included DOS/Windows 3.x, MacOS, Windows 95, Windows NT 3.x and 4.0, NetWare 3.x and 4.x, Solaris 1.x and 2.x, HP-UX 9.x and 10.x, Linux, and SGI IRIX 5.x. I implemented a NetWare-based network infrastructure on HP NetServers over switched and fast Ethernet, utilizing NDS for single-login network access and management on the PC and Mac desktops and NIS/NIS+ on the Unix systems. During this period, as the Internet grew in importance to us, and to our customers, I implemented TCP/IP connectivity and standards-based access to a variety of internal and external resources, including an intranet for browser-based access to corporate databases and information. I hired and

supervised a technical staff of 3 people, tasking them with day-to-day and long-term projects. I aggressively utilized new technologies like Linux and distributed and symmetric processing to enhance our capabilities for large-scale numeric computation. I handled all purchasing and technology acquisition, including negotiations with vendors, managed accounts with Merisel, Ingram, etc., I negotiated rentals of large amounts of high-end equipment to support field-based exercises and projects under extreme time pressure. I was responsible for all information security issues, including implementing a firewall to protect our main network, and safeguarding our external Internet presence including a WWW/FTP server and BBS. I managed the separation of our network with internal protection for our accounting and personnel records as we grew from a flat organization into a division-based structure. I installed and managed remote access and telecommuting via analog and ISDN dialup with Shiva and US Robotics equipment. I helped implement a pilot desktop ATM project utilizing a Fore Systems switch. I performed end-user support, training, and troubleshooting. I set up a network monitoring system that would notify me and my staff of problems and outages via e-mail and paging, allowing us to respond quickly 24 hours a day, 7 days a week to network and workstation problems as they occurred. I implemented backup systems that covered servers, desktops and mobile users, archiving over 80 GB of data weekly. I set up and managed a printing infrastructure that allowed users on any platform to use a variety of laser, color inkjet, color laser and other output devices. I handled almost all repairs and maintenance in-house, reducing costs and turnaround time.

06/86 – 06/90: Independent Consultant
Principal, Bitboy Enterprises, Washington, DC

Independent consultant servicing PC and Macintosh users. My clients included the National Aeronautics and Space Agency, the National Oceanic and Atmospheric Administration, the National Institute of Standards and Technology, the National Institutes of Health, the State of Maryland, Price-Waterhouse, and a variety of individuals, businesses, and organizations in and around Washington, DC. I made purchasing recommendations, performed system installation and maintenance, and did short and long-term training of technical staff and end-users. I recovered data from crashed systems, installed software, did graphic design and document production, managed backups, and other tasks as necessary.

Education and Certifications Learning Tree seminars in beginning and advanced TCP/IP, SNMP, Network Service and Support, NetWare 3.x and 4.x Installation and Administration, Networking Technologies (09/94 – 08/96)

Novell, Inc: Certified Novell Engineer (11/94).

University of Maryland, College Park, MD: 123 credits in Mechanical Engineering, Computer Science, and related and required coursework (09/84 – 06/90)

Sidwell Friends School, Washington DC: Graduate (06/84)

DISCO Secret Clearance (06/90 – 06/98)