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Work History

Linux System Administrator, AMEWAS, Lexington Park, MD — 2015 - Present

Provide Linux support to an acoustics processing lab at Patuxent River NAS. Daily duties consist of installing and managing applications and system software for Ubuntu and Red Hat Linux, VMware, and Windows systems, developing scripts for routine tasks, implementing STIGs, and associated duties. Major accomplishments include helping to bring a new distributed development network online, helping to obtain and maintain Approval to Operate for the lab and a sub-contractor, and migrating a legacy network from Ubuntu to Red Hat. Currently meet all requirements for DoD 8570 IAT-II / IAM-I privileged access with active Security+ certification and Top Secret clearance.

Internet Technology Consultant — 1997 - 2015

Performed a wide range of project-level tasks for companies in the data-communications industry, such as researching and developing competitive technology analysis, testing products for conformance to standards, debugging software, editing technical specifications, writing documentation and white papers, and other services as needed. Clients included well-known multi-national corporations, small startups, and end-user customer organizations, in locations ranging from San Jose, CA to Dublin Ireland. Also authored two technical reference books on data networking (Internet Core Protocols: the Definitive Guide, O'Reilly & Associates, 2000, and Networking Windows NT 4.0 1st Edition, Wiley & Sons, 1994), developed dozens of individual specifications for multiple IETF working groups, wrote hundreds of articles for a variety of industry trade magazines, and developed multiple open source software tools.

Special Projects, TGV Software, Santa Cruz, CA — 1995 - 1996

Joined TGV Software in a cross-discipline role when the firm was preparing to transition from a boutique provider of VMS networking software towards a mainstream vendor with a multi-platform catalog. Responsibilities included building the initial technical support department for a new line of Windows products, developing and managing the organization's initial Web services, leading a national media tour, negotiating technology licenses from other vendors, helping recruit OEM licensees, and researching additional markets for future expansion. TGV was subsequently acquired by Cisco Systems.

Senior Consultant, Valinor, New York, NY — 1994 - 1995

Provided traditional technical consulting services to the (mostly) financial client base of this Wall Street consultancy. Responsibilities primarily included attracting new business, and designing and deploying systems for those customers. The most notable project involved designing a distributed, batch-transfer email system for a well-known brokerage firm's retail division, supporting 30,000 users across 3,000 locations via satellite, as a replacement for a legacy mainframe system that was being retired.

Labs Director, Network Computing Magazine, Manhasset, NY/San Mateo, CA — 1992 - 1994

Developed professional-grade testing facilities and processes for the leading industry trade journal. Initial responsibilities focused on rebuilding the existing testing facility in Manhasset, NY, such as rebuilding the local network, implementing a frame relay WAN between the different editorial offices, acquiring and configuring computer systems for testing purposes (Windows, NetWare, multiple kinds of UNIX, Mac, VMS, and others), and developing tools and policies that contributed to effective resource usage. Subsequently relocated to San Mateo, CA to oversee the construction and operation of a new testing facility. Also oversaw network operations for most of the magazine's network services, such as email and backup, among others.

Network Consultant, CBS Records, Nashville, TN — 1987 - 1992

Responsible for designing, building, and managing a pilot project LAN for the country music division of CBS Records. The infrastructure consisted of Windows PCs connected to local OS/2 file and database services via Token Ring and the corporate mainframe in New York via bridged SNA. Developed local applications that used Windows on the front-end with local databases or remote mainframe applications on the back, including a contact management system that allowed users to search, view, and modify contacts according to departmental authorization, and two systems that retrieved nightly tracking data from various third-party service bureaus and then collated and compared the data against historical and referential trends for executive analysis.

Education

Middle Tennessee State University, Mass Communications and Business Management — 1983 – 1985, 1986 - 1987
Roane State Community College, Business Management — 1985 -1986