

Sandra L. Masquith

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Objective

A position in the information technology industry with opportunities for advancement and growth.

Professional Employment

Aug. 2009 - Present - Network Engineer, Dell-Perot Systems, Inc.

- Secret clearance granted Nov., 2009.
- Support approximately 2000 systems with a team of Coast Guard and other Contractor employees.
- Work on Windows Server 2003 and Active Directory.
- Responsible for building new servers to replace existing Windows 2003 installations, and servers for new work sites. This includes servers to be used for File and Print as well as Remote Installation Servers that provide the necessary files to build workstations and laptops.
- Responsible for programming cell phones with secure remote access to email.
- Add and modify users in Active Directory for the USCG.
- Repair and maintain various computer systems used by the USCG.

Feb. 2006 – Aug, 2009 – Independent contractor, Berryville Computers, Inc.

- Supporting computer systems, and consulting with individual and corporate users.
- Spyware removal and installation of anti-spyware devices and software. Consulting with customers to provide education on best practices on the Internet and the tell-tale signs of spyware and virus infiltration. Use familiarity with attack vectors and how to best defend against them, implement hardware-based firewalls and available software from AVG, Symantec, and others to keep their private information safe.
- Creating networks for private home users and installing commercially available hardware firewalls including US Robotics and Linksys.
- Setup and maintain customer data backup systems.

Sept. 2005 – Feb. 2006 – Rackable Systems, Inc.

Sales Engineer. Responsible for:

- Pre-sales customer relations and education, leveraging knowledge of Linux, Unix, Microsoft server operating systems as well as network infrastructure found in large-scale deployments.
- Post-sales installation. A typical installation could range from 300 to thousands of servers.

October 2002 – Sept 2005- Independent contractor for Network Security

- Developed and implemented security systems for new network installations.
- Wrote and implemented network and system security policies for various computer gaming companies to implement network systems for events to ensure the event success.
- Collaborated with the Army's server provider, SCI, to write policies to provide security for the U. S. Army's "Americas Army" gaming events, which merged the US Army's base and network security policy and the requirements for the game and the gaming community.

May 2001 – October 2002 – Verizon Federal Network Systems, Rosslyn, VA

VPN Engineer, assigned to U.S. Department of Treasury Network. Working closely with Government Agencies on Network Security, developed and implemented a nationwide VPN service for use by the Department of Treasury. Acquired Treasury Department Security clearance.

Duties included:

- Creation of policy and procedure for the Department of Treasury in regards to VPN and remote access security.
- Writing a section of the Treasury Standard Operations Manual to provide VPN security management.
- Working with Satellite link providers to develop a nationwide Secure Satellite VPN service for resale to government and private industries.
- Close interaction with suppliers and customers to provide solutions to wide-ranging security needs.
- Familiarity with government regulations and requirements to meet the needs of the customer agencies. Was responsible for finding and reviewing the applicable regulations and insuring our product met or exceeded them. Had to show proof to the Department of Treasury and the agencies that our product did meet all requirements.

October 1998 – May 2001 - PerotSystems, Reston, VA

Site Support Team Lead on a project to develop software to manage Rental Car activities for Republic Industries. Managed a team of 5 people responsible for:

- Maintenance of Microsoft WindowsNT, Windows95 PCs, and NT Servers.
- All phone system Moves, Adds, and Changes.
- Network evaluation and modifications for Rental Car locations in the northern Virginia area as well as other PerotSystems customers.
- Y2K preparation for all PC systems and servers.

Began a project to properly track and maintain asset counts for the account and PerotSystems, which is still in use.

September, 1996 - September, 1998 - ANS/UUNet, Vienna, VA

Test Engineer in the Prototype Test Lab, developing new products for UUNet. Responsible for:

- Testing new products in a network environment to determine feasibility and usability in an IP environment.
- Testing IP-based videoconferencing devices and software.
- Determine protocol and bandwidth usage with products such as Netscout RMON probes.
- Closely work with vendors to recommend and test software patches and hardware modifications.
- Develop H.323-based Videoconferencing applications using Intel and Videoserver Corp. products.
- Determine the feasibility of various products for small business and home users operating within UUNet's network.

July, 1991 - September, 1996 - American Association of Retired Persons, Washington, DC.

LAN Analyst with the Telecommunications Center of MISO (Information Services). Originally a consultant to MISO to repair their diverse computer inventory, including: Macintosh, Compaq, Epson, Radio Shack, IBM, AST and NEC. Hired full-time within 3 months. Responsible for:

- Planning, coordinating, implementing, and maintaining Local Area Network servers and software in a multi-server environment, using Novell Netware 4.x and IntraNetware.
- Coordination and integration of resources and planning with all Centers for a large DEC environment.
- Maintaining the computers currently in inventory and coordinating installation of new machines.
- Support of Appletalk and Ethertalk, Mac OS through v7.x, MS Windows 3.1x through WinNT (Including 95), MS Office, MS DOS (version 3.3-6.x), Lotus, WordPerfect, SPSS, and many other DOS and Windows-based applications.
- Design and installation of multi-server Netware backup system to support entire enterprise network.

Received CNA (Netware 4.x) 4/97.

September, 1988 - June, 1991 - Microcomputer Products, Inc., Chantilly, VA.

Certified technician for IBM PS/2, NEC computers and laptops, Epson printers, and Hewlett Packard LaserJets. Duties included:

- Configuring computers for customers.

- Perform on-site service repairs.
- Installation and maintenance of NetWare LANs.
- Maintenance and troubleshooting of Macintosh systems.

July, 1986 - August, 1988 - Georgetown University Hospital, Washington, DC.

Data Manager for leukemia research study. Responsible for:

- Working closely with doctors and patients to assure that research protocol was observed
- Implementation of automation for Chief Medical Officer's office and Hematology Section.
- Acquiring computers, software
- Educating users.
- Writing d-Base application to accurately study and track tests and patients.

October, 1984 - June, 1986 - George Washington University Hospital, Washington, DC.

Assistant Data Manager for drug research in oncology field studies.

- Collected data
- Managed patients
- Scheduled tests
- Wrote data base using d-Base III.

May, 1983 - September, 1984 Applied Business Data Systems, Washington, DC.

Small business contractor.

- Wrote on-line, real-time POS application in COBOL for Metropolitan-area United Way chapters.
- Built a mini-computer and provided dial-in capabilities for terminals located at the chapters.
- Edited turbo-DOS operating system using assembly language.

Technologies

Cisco Systems:

- Pix Firewall
- Catalyst switches
- Routers (SOHO, Enterprise, and core)

Operating Systems:

- Microsoft Windows Server 2000, 2003
- Red Hat Linux
- Gentoo Linux

Protocols:

- ATM (network transport)
- Checkpoint Firewall products
- DNS (BIND)
- FDDI
- FTP (server and client)
- HTTP
- IIS (Microsoft web server software)
- TCP/IP (network)
- VPN (Cisco, Microsoft, others)

Protocols:

- IpSec
- NAT
- OSPF
- BGP
- MPLS
- DHCP
- HSRP
- VRRP
- Citrix ICA
- Ethernet (10, 100, and Gigabit)
- FDDI
- Microsoft client/server (NetBIOS, NetBUI, CIFS, DCOM, MS RPC, SQL)
- TCP/IP
- Wireless (802.11b/g)
- WPA

Education

Herndon High School, Herndon, VA - Class of 1978 graduate.

Ferrum College, Ferrum, VA - 1978 to 1980. Undergraduate studies towards a Bachelor of Science degree.

George Mason University, Fairfax, VA - 1980 to 1982. Major in Geology, minor in mathematics.

Control Data Institute, Arlington, VA - 1982 to 1983. Graduated Computer Programming.

Novell Certified NetWare Administrator Netware version 4.1 April 1996