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## Objective

A challenging Information Technology position working in a higher education setting.

## Work Experience

**Director of Networking and Technical Services.** The College of New Jersey, New Jersey.

August 2007 – present

- o Retained all my responsibilities as Associate Director (see below) including role as campus chief technologist.
- o Collaborate with the CIO and IT Directors on the College's IT strategic plan.
- o Participate in various campus committees such as the IT Planning Council.
- o Convene *ad hoc* committees such as the Google Apps Policy and Communications committee.
- o Represent IT and the College at off-site meetings and conferences such as Educause and NJEDge.NET.
- o Report directly to the CIO and advise on technology directions that College should pursue.
- o Directly supervise the Associate Directors of Network Services, Associate Director of Communications Technologies, Associate of Director of Operations and Database Systems, Manager of IT Security and a Unix/Linux Systems Engineer.
- o Indirectly manage 12 additional staff in the department.
- o Implemented the Zimbra Collaboration Suite (email, calendar, contacts, smartphone sync)
- o Managed the implementation of Google Apps for Education for students & alumni
- o Work with faculty, especially in the sciences, to implement high performance computing systems.
- o Oversee telecommunications/phone system.
- o Oversee IT disaster recovery plan.

**Associate Director of Networking and Technical Services.** The College of New Jersey, New Jersey.

July 1997 – July 2007

- o Acted as the campus chief technologist by reviewing and recommending technologies before they are implemented on campus.
- o Managed a staff of 5 system administrators that are responsible for the administration of the College's Unix/Linux computer systems, Netware 6.5 file servers, Windows-based servers, and campus network infrastructure.
- o Personally evaluated leading IDP products and installed the Juniper IDP product.
- o Evaluated SSLVPN products and replaced Cisco VPN with Juniper SSLVPN product.
- o Replaced Cisco PIX firewall with Juniper/Netscreen firewall.
- o Configured Siemens/Chantry wireless network and continue to work with the campus community to roll-out access points in appropriate locations.
- o Personally implemented Nagios software for server and network monitoring.
- o Installed Oracle 10g RDBMS for RHEL 4 AS on Sun AMD Opteron servers and worked with developers to migrate ColdFusionMX and existing custom Perl applications from existing Oracle 8i running on Sun Solaris systems.
- o Performed hands-on management of the College's Sun servers that house home directory data and applications for the 12,000+ users on the system.
- o Installed, configured and managed the campus-wide server backup system running on a Sun servers attached to an L180 and SL500 robotic tape libraries using EMC/Legato Networker.
- o Managed and maintain the campus SAN which includes Sun 6130 arrays and EMC CX300 arrays.
- o Performed hands-on management of the campus Fast/Gig Ethernet backbone and T1 connections to off-campus student housing utilizing Extreme Networks switches and Juniper routers.
- o Performed hands-on management of the technical aspects of the campus web server running Apache.

- o Custom compiled open source software to meet the needs of our IT developers and faculty.
- o Directly supported the College's Sun servers running Oracle RDBMS with PeopleSoft ERP software.
- o Installed, configured and managed the campus email system based on Carnegie Mellon's Cyrus IMAP4 server and Postfix SMTP server.
- o Implemented and maintained a college-wide directory server based on SunOne/iPlanet LDAP directory server. Wrote custom web application using Perl to allow the Help Desk to maintain user accounts in the LDAP directory.
- o Directly managed Linux servers used by faculty and for infrastructure needs (e.g. IDS, web servers, databases).
- o Configured Sun Jumpstart and RedHat Kickstart servers to quickly deploy new servers and workstations with customized configurations. Installed and configured RedHat Satellite server for Linux software updates and patch management.

**Adjunct Professor.** Trenton State College/College of New Jersey, New Jersey.

Various semesters from Fall 1993 – 2004

- o Co-taught the Unix & C, Networks, Topic in Network Applications, Unix System Administration and Open Source Development courses for the Computer Science department.

**Unix and Network Systems Engineer.** Trenton State College/The College of New Jersey, New Jersey.

May 1995 – June 1997

- o Configured, managed and performed daily operations of the campus Unix systems.
- o Installed commercial Unix applications, and compiled and installed open source Unix software on the Sun systems.
- o Installed, configured, and managed the campus network which includes 10/100/100Mbps Ethernet carrying IP, IPX and Appletalk protocols.
- o Worked with the Academic Computing staff to connect faculty, staff and student computers to the campus network including maintaining MAC address to IP address translation tables.
- o Directly involved in the planning of the campus network.
- o Maintained the college's connection to the Internet.
- o Provided technical assistance on Unix and networking related projects.
- o Performed training sessions on topics in my area of expertise as requested.

**Academic Computing Support Consultant.** Trenton State College, New Jersey.

August 1991 – May 1995

- o Managed four Netware 3.11 servers and their respective workstations (about 100), thirty-two campus Sun workstations, intra-campus network (including Cisco routers), and link to the Internet.
- o Managed and maintained all campus Unix accounts (currently about 3,000).
- o Supervised Student Consultants and Lab Managers that provide support to the academic computer lab users.
- o Performed technical research and managed projects to suit the needs of the campus community.
- o Performed planning and implementation of the campus network.
- o Provided training in Novell Netware, Unix, Internet and MS-Windows to faculty and staff, as well as, the student lab consultants.
- o Compiled and installed open source as well as commercial Unix applications on the campus Sun servers.
- o Wrote programs to fit specific campus community needs.

**Information Systems Analyst.** Mercer County Improvement Authority, New Jersey.

January 1990 – August 1991

- o Assisted the Manager of InfoSys in the administration of Unix and Xenix computer systems.
- o Wrote database applications in Informix-4GL and C.
- o Developed documentation and procedural manuals.
- o Promoted the MCI and its computer systems by participating in speaking engagements.

**System Administrator.** Township of Hamilton, New Jersey.

October 1986 – January 1990

- o Administrated a Wang VS minicomputer and various PCs.
- o Wrote and maintained a dog licensing database and its documentation.
- o Participated in the decision to purchase a Novell network.

## Education

**Trenton State College (now called The College of NJ).** Ewing, New Jersey, May 1991

- o Degree: Bachelor of Science
- o Major: Computer Science, Minor: Mathematics

## Workshops & Seminars

- o Hands-on TCP/IP
- o Oracle DBMS @ SANS Baltimore
- o Peoplesoft PeopleTool I, Peoplesoft Install and Config, and Peoplesoft Security
- o Red Hat 4 RHCE (certificate # 804007164424562)
- o Red Hat 5 RHCE (certificate # 805009716239903)
- o SANS Security Training (GIAC GSEC certification)
- o Oracle Database 10g: Managing Oracle on Linux for System Administrators
- o Oracle Database 10g: RAC for Administrators Ed 2

## Computer Technologies

**Networks:** TCP/IP, CIFS/SMB, NFS, LDAP, IMAP/POP3, SMTP, DHCP, Fast/Gig Ethernet, Wireless 802.11a/b/g/n

**Operating Systems:** Red Hat Enterprise Linux (RHEL), Solaris, VMWare ESX, Microsoft Windows desktop & server OSes.

**Programming Languages:** Perl, C, C++, PHP, Ruby, Python, Java.

**Hardware:** Sun workstations, Sun Sunfire Servers, Sun AMD/Intel Servers, StorageTek L180/SL500 Tape libraries, Dell Servers, EMC CX SAN Arrays, DNF iSCSI SAN Arrays, Hitachi SAN Arrays, Sun 6130/6140/2540 SAN Arrays, Extreme Networks Switches, Cisco Routers/PIX firewall, Juniper SSLVPN/Firewalls/Routers/IDP, Packeteer/Bluecoat Packetshapers, Siemens/Chantry Wireless, Aruba Wireless, Lantronix consoleswitches.

**Selected Applications:** Zimbra ZCS, Apache+PHP+SSL+mod\_perl, ISC DHCP, Linux LVM, FalconStor IPStor SAN Virtualization Software, RedHat Satellite Server, Nagios, NMAP, Ethereal, OpenLDAP, SunOne Directory Server, Red Hat Directory Server, Solstice Disk Suite/Volume Manager, EMC/Legato Networker, CMU Cyrus IMAP, Postfix SMTP, sendmail, BIND, Samba, Appgate Mindterm, Firefox, Thunderbird, PostgreSQL, MySQL, Oracle RDBMS 8i/9i/10g/11g, OpenOffice/StarOffice, MS-Office suites.

## References

Furnished Upon Request.

*Last updated: 7-6-2011*