FANYING JEN

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OBJECTIVE

A challenging position in Information Systems Design and Administration.

SKILLS SUMMARY

DB2, MQSeries, iPlanet Web Server, PostgreSQL, MySQL UNIX, Linux, Solaris, FreeBSD, OpenBSD, SCO, TCP/IP Firewalls, Gateways, HoneyPots, LDAP, Kerberos, SASL, PAM, SSH, SSL, HostSentry, PortSentry, Snort IDS, AIDE, Tripwire, Syslog, LogCheck, Procmail, Sendmail, SpamBouncer, PGP, GnuPG, Digital Certificates, DNS, Apache, NFS, NIS, LAN, WAN, CGI, Perl, RAID, Clustering, High Availability, and Storage RAID Arrays.

SUMMARY

- Information architectures design and development using a variety of technologies to implement a data model that meets the business process work flow. Used a combination of open source and commercial software including MySQL, PostgreSQL, DB2, Oracle, MQSeries.
- Experience in system architectures including high availability clustering, fault tolerance, storage raid arrays, and multi-server backup-restoration systems.
- Experience in network information architecture design and administration including DNS, directories, mail, and the web.
- System and network security research and development to reduce risks of security breaches and damages.
- Network and system security experience in firewalls, honeypots, network and system IDS, cryptography (encryption), tunneling, spam control, LDAP authentication, and digital certificates.
- System administration and integration includes designing, maintaining, of operating of stand alone servers and high availability server clusters. Other skills include users, storage, system, and network resource management.

EMPLOYMENT

DIGITRADE INC. - ILX SYSTEMS CORP.   **NEW YORK, NY**
Unix System Administrator   2000 - 2001

- Introduced the Linux operating system and benefits of Open Source Software. Provided the company with the skills necessary to facilitate use of the Linux operating system and Open Source Software to reduce internal operating costs and increase revenue by means of providing customers with the new option of a Linux based product.

EDUCATION

Linux Professional Institute
Linux Professional Institute Certified Professional 2002
Sair Linux and GNU Certification
Sair Linux and GNU Certified Professional 2001
Stevens Institute of Technology
Bacheor of Engineering, Computer Engineering 2000
Award for Senior Design
Brooklyn Technical High School
Brooklyn Technical High School Regents Diploma, Mechanical Engineering 1996
Graduated with Honors

TECHNICAL SKILLS

Hardware
- Intel/AMD x86 PC Architectures
- Sun Sparc 1/5/10/20, Ultra Sparc 1/2/5/10, Sun Enterprise 220R, 450
- Dec/Compaq Alpha Architectures
- SGI Iris, Indigo, and O2 workstation; SGI Challenge and Origin 200 servers
- Apple Macintosh G3/G4 running MacOS X

Operating Systems
- Linux (Slackware, Red Hat, Debian, Mandrake, SuSE)
- FreeBSD 3.x, 4.x, OpenBSD 2.x, 3.0, NetBSD 1.x
- Solaris 2.5, 2.6, 7, 8
- Caldera SCO OpenServer 5.0.5, OpenUnix UnixWare
- Dec/Compaq Tru64 Unix
- Apple Macintosh MacOS X
- Microsoft Windows NT/2000

Software
Internet Infrastructure Networking software
- ISC Bind 8.x DNS,
- ISC DHCP
- NIS, NFS, AutoFS
- OpenSSH, sftp, rsync
- OpenLDAP

Messaging Infrastructure (Email)
- Sendmail
- Procmail
- SpamBouncer
- Razor (Anti-Spam)
- PGP, GnuPG
- OpenLDAP

Web software
- Apache with ModSSL and iPlanet Web Server

Backend systems
- PostgresSQL
- MySQL
- Oracle 8i, 9i
- IBM DB2
- MQSeries
- OpenLDAP

Security
- IPFilter, IPTables
- Snort IDS, AIDE, Tripewire
- Nessus, Nmap, PortSentry, HostSentry
- Syslog, LogCheck
- Kerberos, SASL, PAM, NSS, NIS, OpenLDAP
- OpenSSH, OpenSSL, Tunneling

Languages
- PERL, Unix Shell (bash, sh), HTML

PROJECTS

NEW YORK LINUX USERS CLUB   **NEW YORK, NY**
Linux Volunteer   2000 - Present
- Introduced novice users the Linux / Unix operating systems and the benefits of Open Source Software.
- Assist people in installing Linux onto their computers and train the users in the operation of the Linux operating system from office productivity including printing to Internet access including mail configuration, Web access, and multimedia.

SATURATED NETWORK CORP.   **RAHWAY, NJ**
Unix System Administrator Volunteer   2000 - 2001
- Provided continued consulting and assistance that began as the Lojik Network Project to the now staff of Saturated Networks Corp. Assist in the monitoring of servers and networks for security anomalies and other potential problems.

LOJIK NETWORK PROJECT   **HOBOKEN, NJ**
Unix System Administrator Volunteer   1997 - 1999
- Train other people in the art of Linux / Unix administration in designing, implementing and maintaining the server at very little monetary cost. One of which became the President of Saturated Networks Corp.

UNIX/LINUX SERVER PROJECT   **BROOKLYN, NY**
Unix System Administrator   1995 - Present
- Research and development a high availability informational server clustering system through the use combined use of through the use and development of Open Source fault tolerant software and hardware RAID storage, dynamic fault tolerant networking, computer while still providing maximum system and network security and integrity.
- Research and develop techniques of designing and implementing secure informational systems and architecture through a combination of techniques including prevention, monitoring, and disaster recovery. Such systems include the use of filewalls, PortSentry, HostSentry, Tripwire, SpamBouncer, LogCheck, Kerberos, LDAP, SSH, SSL, Stunnel, Snort, Nmap, Nessus, and SASL in addition to running practice hacker drills against its Linux Web Servers.
- Internet information architecture design and development includes intelligent information gathering and disseminating systems, dynamic content, and website design. Used Apache, OpenSSL, ModSSL, LDAP, HTML, CGI, PERL, JavaScript, Enhydra, PostgreSQL, MySQL, DB2, MQSeries and shell.
- Network infrastructure integration and administration which includes TCP/IP, Routing, DNS, Sendmail, Postfix, Samba , Apache, LDAP, YP-NIS, NFS with locking, high availability networking, and network security.

BROOKLYN TECHNICAL HIGH SCHOOL   **BROOKLYN, NY**
PC Technician   1993 - 1995
- Rebuilt and repair computer systems including both the hardware and software.
- Assist teachers, administrators, and other students in the operation of computer systems including the word processor, and the operating system.

ACTIVITIES

- New York Linux Users Club (NYLUG)
- UNIGROUP
- Amateur Radio
- Reading History
- Model Railroads