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QUALIFICATION HIGHLIGHTS:

- 20 years IT experience enabling the growth of a \$3 billion, 400+ store, 25,000+ employee organization.
- More than 5 years senior level IT management experience.
- More than 10 years experience managing a 12+ member IT department..
- More than 15 years experience researching, designing, and managing systems and network related projects on an enterprise level.
- Extensive top level engineering, last resort, problem solving.
- Extremely wide scope of understanding of computer architectures - from systems programming, to OS configuration, to systems integration, to LAN configurations, to WAN configurations, to Internet configurations.
- Experienced with large scale enterprise architecture, support, and management ranging across thousands of systems, tens of thousands of users, and 40+ states.
- Extensive computer security experience including hardening, firewalling, incidence response, and customer data protection.
- Extremely diverse experience base of different hardware platforms, software products, peripherals, and networking equipment.
- Extensive personnel management experience, including numerous candidate selections.
- Significant experience with purchasing and contract negotiation.

SKILLS/PROFICIENCY SUMMARY:

- OS Platforms: Unix (RedHat, SuSE, Fedora Core, Solaris, SunOS, Sequent PTX, AIX, Berkeley, SVR4, Xenix), Windows XP/2000/2003/Me/98/95, Cisco IOS, Cisco CatOS, Windows Mobile, PalmOS, MS-DOS, DTSS/DCTS
- Networking: Enterprise class Cisco routers/switches (6500, 7000 series), Cisco edge switches/routers, F5 load balancers, Cisco APs, Cisco VPN access servers, Cisco RAS servers, Cisco PIX/FWSM firewalls, Cisco VOIP/VOFR products, CONTEL/AT+T Tridom/Hughes satellite hardware, various switches/hubs.
- Security: PCI, SOX, SSO, IAM, SEM, VPN, firewalls (PIX, IOS ACL, iptables), SSL cert generation and PKI management, virus protection (Norton, McAfee, Kasperski, ESET), SPAM monitoring (Proofpoint, Spamassassin), two-factor authentication, intrusion detection (ISS, Air Defense, Savant, logwatch), authenticated web proxy, spyware/malware disinfection
- Web technologies: HTML, XML, JavaScript, PHP, CGI, HTTPS/SSL
- Network servers: IPAM, ISC BIND (DNS), ISC DHCP, Apache, Squid, OpenLDAP, Sendmail, SAMBA, BES, Exchange 2007
- Languages: C/C++, Perl, Unix shell scripting, TCL, Java, PL/1, Basic, Lisp, assembly
- Programming specialties: sockets/TLI, SunRPC, multi-threading, asynchronous I/O, X.25, RS-232, DOS programming, general systems programming
- Protocols : TCP/IP, UDP/IP, HTTP, HTTPS, LDAP, NFS, NIS/YP, SunRPC, XDR, SMTP, SQL*Net, SNMP, PPP, VPN (PPTP/IPSec), BGP, RIP, EIGRP, IPV6, etherchannel, 802.1Q (VLAN), 802.11(b/g), WPA/WPA2, ActiveSync, IEEE 802.3, FDDI, X.25, X11, RS-232 signaling
- Authentication platforms: LDAP (OID, Active Directory, and Open LDAP), Oracle OIM, Oracle SSO, NIS/YP, NIS+, Radius, Unix shadow, two-factor (RSA/Entrust)
- Software: Visio, Outlook, Excel, Word, Microsoft Project, Acrobat Professional, Photoshop, Corel Draw, Adobe Illustrator, Adobe GoLive, Remedy, Service-Now, SolarWinds, Ethereal/Wireshark
- Database: Oracle, MySQL

PROFESSIONAL EXPERIENCE:

Burlington Coat Factory:

Jan 2006 – Present

Chief Systems Architect

Architect and set direction for future systems technology. Review project designs and evaluate product futures and impacts for the enterprise. Provide high level design and engineering for new technology implementation, including:

Key member of IT Technology Review. Co-architect of revamped enterprise identity management structure. Key member of Exchange migration team. Review and present executive summary for revamp of IT Security, including evaluation and selection of new team members. Evaluate, select, and negotiate pricing for enterprise mail and file archive system for FRCP compliance. Enterprise DST change remediation. Re-evaluation of SSL certificate sourcing and subsequent VeriSign SSL certificate pricing negotiations. Wireless IDS and log management evaluation and selection team. Top level security incident response. Evaluated and recommended document management solutions including Microsoft Sharepoint.. Integrated Blackberries with Oracle Collaboration Suite. Store back office Fedora Core 6 migration including low level driver changes for kickstart automated installs. Analyzed and created store router and wireless firewall ACLs. VISA PCI training and remediation.

Jan 2002 – Jan 2006

Manager of Networking

Managed 12 member team responsible for 360+ node network with over 4,000 networked hosts spread over 40+ states supporting 25,000+ employees, including:

Oversaw growth of Network Group team and enterprise networking and telecommunications infrastructure (data and voice). Installation of DS3 SONET rings. Managed design and installation of over 4,000 back office servers running RedHat Linux. Installation and configuration of Cisco FWSM firewall modules to replace older PIX firewalls. Many router component upgrades including chain wide store router replacement. Oversaw the creation of a new enterprise-wide LDAP authentication infrastructure. Managed and remediated large portions of SOX auditor requirements, including the implementation of enterprise-wide password aging and strong passwords (SSO/Identity Management). Managed and helped code and configured a new store Linux install structure with upgraded OS. Moved SSL certificates into Verisign managed PKI structure. Wrote and drove the enterprise use of encryption libraries to protect confidential customer data. Helped select and implement Proofpoint SPAM protection. Implemented networking and firewalling for Oracle Collaboration and Oracle Portal systems. Further enhanced credit card authorization system and passed off development to a dedicated developer. Supervised addition of connectivity to numerous vendors and remote locations. Managed and helped create VPN infrastructure. Implemented new Apache based eCommerce setup. Evaluated two-factor authentication vendors for use with SSO. Managed networking of new warehouse and datacenter (DR site). Network design and significant input into IT disaster recovery plan.

Jan 1998 – Jan 2002

Network Supervisor

Managed day to day network operations including growing team of Network professionals to support the enterprise, including:

Drove Y2K remediation of all store systems as well as numerous corporate systems. Managed numerous Cisco enterprise class routers and drove further enhancement of network infrastructure. Updated Internet connectivity with multi-home redundancy using BGP. Oversaw creation of NJ based Network Group to further support the enterprise. Drove design, install, and implementation of store Linux back office servers cookie-cutter kickstart installs. Networked and helped build first eCommerce site including security design and SSL certificate creation and management. Drove conversion of store networks and systems to private 10.x.x.x IP addressing. Migrated and revamped firewall ACLs to PIX firewall infrastructure. Managed the selection and migration to new frame based network, including the use of VOFR (Voice over Frame-Relay). Moved to Cisco based switching infrastructure using 6500 class switches. Managed install of first F5 load balancers. Managed installation of web Proxy controls. Built standardized Linux RPM structure to simplify package creation. Added authorization support for eFunds ISO based check transactions.

Jan 1996 – Jan 1998

Lead Network Engineer

Project leader for numerous networking initiatives and enhancements, including:

Converted X.25 based satellite infrastructure to IP only based infrastructure. Started migration from corporate hub based infrastructure to switch based infrastructure. Evaluated and selected enterprise class switches from a large base of vendors. Revamped corporate network addressing to private address format. Evaluated, selected, and installed first video conferencing solution. Rewrote authorization software in threaded C++ utilizing Rogue Wave libraries and connecting to VISA using ISO and VIP format messaging, further enhancing reliability and reducing transaction times to less than 2 seconds. Also added debit transaction support. Integrated Cohoes brand credit card authorization system into revamped authorization server. Taught Java classes. Added support for debit transactions. Managed Sun C/C++ installations. Brought Insure++ into enterprise for C/C++ code bug identification. Created numerous system scripts to support infrastructure. Built standardized Solaris/SVR4 package structure to simplify package creation. Evaluated numerous network monitoring products. Supervised move, network, and wiring of new NH Office branch location. Integrated DND (Dartmouth Name Daemon) into mail aliasing infrastructure.

Jan 1991 – Jan 1996

Senior Network Engineer

Senior level Network Engineer maintaining enterprise networking, including:

Helped found the “Network Group” who’s charge it was to manage the rapidly growing network infrastructure to support both our stores and corporate headquarters. Continued network and infrastructure design as well as Unix system management and integration. Created Sun RPC based check authorization component to integrate local SCAN check database. Integrated Sequent Unix systems with X.25 and TCP/IP. Helped migrate final services off of legacy Honeywell DPS8. Brought up first Internet connection utilizing Cisco router - including registering class B IP address block, configuring firewall ACLs, setting up mail routing, and DNS configuration. Built sendmail based mail relay and delivery infrastructure. Helped determine and negotiate satellite services for connectivity. Created Sun TCP/IP layer over satellite based X.25 network to mesh store networks with corporate. Further enhanced store Sun back office system installs and store networks. Wrote system routines to support Sequent PTX development. Built first PPP based RAS servers. Integrated ever growing system count into IP based network. Helped create architecture independent NFS automount structure to support heterogeneous systems (still in use). Created standardized user structure and login profiles. Further DNS, NIS, and DHCP management including comprehensive script based DNS and NIS management system. Created site-wide user login (dot file) and MIT X11 setup. Aided in design/implementation of HA NFS server.

Jan 1988 – Jan 1991

Systems Programmer/Network Engineer

Created and managed first ever Unix systems and IP networks at Burlington Coat as well as created system scripts and code to support their integration, including:

Installed first ever Sun based Unix systems (Sun386). Managed and Created cookie cutter install to roll out Suns to entire chain for back office system. Designed first network layout in data center and stores. Created first NIS and NFS infrastructure. Wrote numerous system routines and programs to simulate Unix functionality on a Honeywell DPS8. Integrated legacy Honeywell into emerging Unix infrastructure including bootstrapped SMTP mail support via X.25 socket layer. Revamped primitive serial based authorization system into newer hybrid Sun RPC and X.25 based authorization system with direct communication to VISA International, greatly reducing transaction times and increasing reliability. Built first SMTP/sendmail based mail relay and delivery infrastructure including fully customized “sendmail.cf” configurations.

Feb 1987 – Jan 1988

Junior Programmer

PL/1 and Structured Basic programmer, including:

Updated miscellaneous proprietary SKU and retail related database applications with feature enhancements. Wrote parser and data stream generation routines for AMEX and Discover credit card reconciliation. Wrote data stream software for high speed “Dennison” ticket printers. Helped manage existing X.25 network and NEDCO X.25 switches.

CONSULTING:

System Excelerator, Inc:

Aug 2000 – Jan 2002

Senior Software Developer

Provided C programming consulting for DoD helicopter component status monitoring executing on an embedded RPX using MPC823 based ARM processor running Linux. Created parser to interpret status messages from a serial I/O channel and place onto a queue for wireless relay to a base station. Consulting was provided to System Excelerator, Inc. working for BF Goodrich under a DoD grant.

Bob Moses, CPA:

Jan 2004 – Present

Network Consultant

Providing technical consulting and support services for Robert Moses, CPA on an ongoing basis. Helping configure and maintain LAN and Internet connections as well as configure server Windows and Linux boxes.

ADDITIONAL SKILLS:

Intermediate French, advanced photography, basic electronics, construction, customer relations.

References furnished upon request.