

Geoffrey M. Silver

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Goal: An IT Director role in a strong company with a fast-paced, challenging work environment.

Experience: Dedicated professional with 12 years of progressive IT experience. Results oriented with a proven track record of accomplishments and a varied background.

Education:

- Bachelor of Science, Computer Science, University of Maryland Baltimore County. May 1999.
- Master of Business Administration, Northwestern University. Expected June 2011.



**January 2007 – Present; Citadel Investment Group
Senior Engineer**

- As a Senior Engineer, I guide a team of five other Engineers, and am responsible for more than 2,300 Linux and Solaris servers, and almost 400 VMware ESX servers spread across five VirtualCenter instances, 2,000 HP blade servers, and 220 HP chassis throughout the United States, Europe, and Asia.
- Since starting at Citadel Investment Group, I have worked with various internal organizations to replace more than 1,500 servers and to migrate the infrastructure to 64-bit Linux, putting together a test and migration plan and gaining individual department buy-in before deploying. I built a new authentication and authorization infrastructures for Citadel Solutions/Omnium and Lehman Brothers Holding, new subsidiaries providing hedge fund clearing services, and integrated user account creation, access control, and management of Unix servers with Windows Active Directory Kerberos and LDAP services. Additionally, I handled migration of more than 200 business-critical Sybase ASE and IQ and Oracle database servers containing more than 300 terabytes of data from AIX to Linux, have managed multiple server disaster recovery drills, and have become the de facto technical security expert.
- While at Citadel I have earned my CISSP, an internationally recognized certification for Security Professionals, and have begun my MBA at the Kellogg Business School at Northwestern University.

**July 2002 – December 2006; AOL LLC
Senior Systems Administrator, Operations Security**



- At AOL, I was responsible for the design, implementation, and management of a fully redundant, globally distributed, mission-critical Kerberos, RADIUS, and LDAP authentication infrastructure capable of supporting 25,000 systems. The design required an iterative software development methodology and seamless migration from an existing legacy system.
- I wrote tools in Perl, shell, and C to automate repetitive tasks, ensure critical uptime of processes, and provide PCI and Sarbanes-Oxley auditing compliance. I designed an infrastructure to automate server installations, and designed internal websites.
- During my tenure, I gathered requirements and migrated more than 300 servers and applications from Solaris, HP-UX, IRIX, and OSF/1 to Linux. I supported internal customer production processes, and managed the day-to-day administration of 350 Red Hat Linux, Solaris, and HP-UX servers and Veritas volume management of EMC Clariion and STK 91xx-series fibre-attached storage.

**January 2001 – December 2006; U.S. Linux Networks, LLC
Principal/Lead Architect**



- I started U.S. Linux Networks to provide consulting services for customers integrating and managing Linux within their environment. During the six years I managed U.S. Linux Networks, I expanded the business to include wireless telecommunications, building a wireless internet service provider (ISP) division with dozens of customers. In late 2006, after deciding to move to Chicago, I sold the consulting services to SpinThread Consulting of Vienna, VA and the wireless business to RoadStar Internet.
- While at U.S. Linux Networks, I handled advertising, contract negotiations, billing, payroll, and project management, running all aspects of the business.
- I lead a small team to prototype integration of a radio frequency identification (RFID) tracking system with a global positioning (GPS) system, GPRS wireless phone data network, SOAP-based data input application, MySQL database, and map-based product shipment and tracking UI. The project allowed

the client to visually track shipments of packages as they moved throughout the distribution chain.

- I designed, deployed, and supported a multi-megabit wireless broadband data service (MMDS) WAN covering nearly 50 square miles using affordable, consumer-grade wireless networking equipment. I sold the service to RoadStar Internet after three years of operation.



**January 2000 - February 2001; Winstar Communications
Enterprise Systems Architect**

- At Winstar, I deployed Samba and LPRng file and print servers and automated system management, patching, and monitoring with Shell and Perl scripts. I wrote deployment plans for a Windows NT-to-NIS domain synchronization and Samba file and print server. I issued system, software, and network design and procurement recommendations, and worked with different divisions to integrate existing hardware and software.
- I evaluated various email server applications, including Lotus Domino, HP Openmail, Netscape SuiteSpot, Sendmail, CommuniGate Pro, and Microsoft Exchange under HP-UX 11, IBM AIX, Sun Solaris, Intel x86 Red Hat Linux, and Microsoft Windows in order to determine the best enterprise application to replace an existing Sendmail server supporting 6,000 users.

**June 1999 - January 2000; Lockheed Martin
Applications Software Engineer**



- At Lockheed Martin, I set up and maintained computer accounts, installed hardware and software under Windows NT 4.0, and performed troubleshooting of hardware and software systems. I assisted in a Novell-to-NT authenticated workstation conversion, automated systems tasks and login scripts, and developed a repeatable methodology for systems deployment.
- I left Lockheed Martin in 2000 because I was awaiting a TS/SCI clearance. Unclassified work was not challenging and the clearance process was going to take another two to two and a half years.

**May 1998 - June 1999; University of Maryland Baltimore County
General Manager, WMBC College Radio AM560**



- At WMBC, I managed the day-to-day operations of the radio station. Daily operations included ensuring FCC compliance, providing yearly budgets to campus officials, providing guidance to more than 100 on-air personalities, and directly managing a team of six station managers.

Certifications:

- Certified Information Systems Security Professional (CISSP)
- Red Hat Certified Engineer (RHCE) on Red Hat Enterprise Linux 3.0 (2004)
- Red Hat Certified Technician (RHCT) on Red Hat Enterprise Linux 3.0 (2004)
- Microsoft Certified Professional (Windows NT 4.0 and Windows 2000, expired)
- O'Reilly Perl Conference 2000, O'Reilly Open Source Conference 2005
- AIX for Solaris System Administrators training
- Brainbench Certified Linux Systems Administrator



Skills:

Management:

Kellogg Business School focus on Entrepreneurship, Technology and Innovation, and Management and Strategy

Operating Systems:

Linux, FreeBSD, Solaris, AIX, HP-UX, Unix variants, Windows, and Mac OS.

Hardware:

EMC, STK, NetApp, Foundry, Cisco, Sun, IBM, HP, Compaq, Dell

Languages:

Perl, PHP, Tcl/Tk, HTML/CSS, AJAX, SOAP, XML, and Unix Shell. C/C++, Java, Javascript, SQL, VAX/VMS Assembly, Pascal, Basic

Networking:

TCP/IP, 802.1X, WEP, IPX, and SNA protocols

Software:

OpenSSH, OpenSSL, SASL, Kerberos, Tripwire, IPTables, NAT, ipf, PKI, Netscape/RedHat Certificate Management Server, IMsAP, POP, Sendmail, Postfix, Spam Assassin, various filters, Samba, Netatalk, LPRng, CUPS, Apache, Netscape Enterprise Server, Real Audio, Bind DNS, NTP, Handles, MySQL, PostgreSQL, BerkeleyDB, NIS, NFS, LDAP, Netscape Directory Server, OpenAFS, Hylafax, Amanda, Veritas NetBackup, LVM, VxVM, RAID, Netsaint/Nagios, Big Brother, MRTG, RRDtool

Non-Technical:

Resourceful, self-motivated, and achievement oriented. Excellent communication, presentation, and leadership skills. Able to manage multiple projects, contractors, and customers simultaneously.