

# Daniel E. Spisak

---

- Summary** Proven Network and Systems Administration with more than 7 years of experience and technical skills spanning from Microsoft infrastructure to Unix. Advanced network infrastructure experience focused on security with the ability to diagnose and fix complex issues. An individual with expertise in security and forensics working with Fortune 500 companies to solve needs. Extensive experience with major ISP datacenter environments, Tier-1 backbone carrier relations, and systems administration duties.
- Hardware** Cisco Routers (up to 7600 series)/Switches(up to 3750 series)/PIX/VPN, Redback SMS Routers, Sun E450 and Ultras, Alcatel, Juniper Netscreen NS-5GT/NS-50/NS-500/IDP-1000, Alpha XL Workstations
- Software** MS Windows (all versions up to Vista), MacOS (7.5 to current), Linux (most distributions since 1996), Solaris (2.6 to 9), OpenBSD, Apache, IIS, Sendmail, Postfix, Qmail, Spam Assassin, Encase 3 & 4, MRTG, Cacti, Cricket, RRDTOol, Macromedia, Adobe, MS Office, Visio, Access, SQL Server 2000, BIND 8/9, Retina, Nessus, Ettercap, Ethereal, Nmap, Nikto
- Languages** Java, Expect, SQL, HTML, Shell Scripting, C++, Perl, PHP, Visual Basic
- Certifications** Redback SMS 500/1800/10000 Certified
- Applicable Work Experience**
- January 2004 – Current  
**Network Engineer (Consultant), Tech/Knowledge (Pasadena, CA)**  
Involved on an as-needed basis for new and continuing customers while pursuing my degree at UC Irvine. Projects worked on have included network analysis, documentation and planned upgrade & migration duties for the Temple City Unified School District bringing their network into spec with current best practices. Also worked on evaluating and troubleshooting wireless network setups for the Port of Long Beach security camera system. Additionally was involved in documentation, implementation and maintenance of a new camera security system for the Port of Los Angeles. Other projects done in the past have included onsite VoIP setup for movie shoots, to setup and support of wired and wireless networking for large 1000+ person press events in Las Vegas during CES. Current projects in progress include designing the network infrastructure for an emergency responder microwave MPLS IP data network covering all of San Diego county and connecting to Orange County and Yuma, AZ.
- September 2005 – Current  
**Data Forensics Analyst (Consultant), Andrea Hoy & Associates (Laguna Hills, CA)**  
Worked on HR personnel investigations through use of evidentiary data collected through use of Encase data forensics software. Clients included large state government agencies in the State of California. Acted as a consultant for these services in addition to network and computer security auditing duties on an as-needed basis by the company while working on my degree at UC Irvine. Also provided recommendations for hardware & software product solutions for clientele to address various security and data forensic needs.
- October 2004 – June 2005  
**Senior Network Architect, MM Internet (Long Beach, CA)**  
Improved monitoring solutions to allow better management of network resources while expanding services. Analyzed infrastructure and planned and completed critical upgrades of servers and core network routers. Started and maintained critical company information for disaster recovery plans. Enhanced network and server security. Implemented intrusion detection systems for greater insight into network flows. Worked with ISPs in spam, abuse, and DoS prevention.
- April 2004 – December 2004  
**Data Forensics Analyst, CFMS (Venice, CA)**  
Assisted in multi-million dollar fraud investigations through use of Encase data forensics software. Worked on forensics cases for corporations involved in civil matters as well as criminal matters for court agents working for the IRS. Worked with Encase and Forensics Toolkit in addition to using The Sleuth Kit (formerly TASK) to image and analyze Windows, Macintosh, and Linux based systems.
- August 2003 – August 2004  
**Security Engineer, Online Security (Los Angeles, CA)**  
Investigated behavior of and monitored and analyzed viruses/malware for Fortune 500 companies. Assisted major software companies in protection of their corporate IP by tracking down violators. Interfaced with the FBI and local law enforcement agencies on cases.

Investigated fraudulent “phishing” websites for Fortune 500 clients. Worked on comprehensive security reviews doing external and internal pen tests utilizing OSS tools.

August 2001 – June 2003

**Co-location Engineer/Special Projects, Cox Business Services (Rancho Santa Margarita, CA)**

Maintained co-location facilities, was integral in testing and checking arrangements for all incoming and exiting customers. Assisted customers with network and security issues as well as helping them to design and plan for future growth in the facility. Was tasked with special development projects in areas of determining network performance, improving network security, report process automation, data mining and billing analysis for business telephone customers. Maintained authoritative DNS servers for company with over 1200 zones and assisted tech support personal with complex DNS troubleshooting. Showed company how to capture untapped customer revenue for DNS services.

March 2001 – June 2001

**Network Engineer, Myrient (Aliso Viejo, CA)**

Responsible for documentation and tracking of network deployments. Assisted in turn-ups of remote VPNs utilizing DSL/Frame Relay technologies. Troubleshot complex network problems with CLEC/ILEC partners. Worked on development and deployment of next generation network monitoring services and metrics for company. Set up new VPN services via Netscreen VPN hardware and integrated into legacy network and monitoring systems.

August 2000 – March 2001

**Systems Administrator, WWW.COM/Onair.com (Irvine, CA)**

Maintained user workstation and corporate server Windows environments. Managed company’s email infrastructure of 80,000 accounts in a load-balanced Linux setup and company internal Exchange server. Worked with Unix team on various projects and configuration of Real Audio streaming servers under Linux, maintenance of F5 Network BIG IP equipment, and general server maintenance for a large farm of Linux servers. Helped the company save over two million dollars with Linux based backup system for company 2.5TB SAN. Shared responsibilities with Systems Architect on maintaining and enforcing security measures & protections for company’s servers and network equipment.

March 2000 – July 2000

**Network Engineer, Flashcom (Huntington Beach, CA)**

Responsible for evaluation of new routers/Layer 4-7 switching/caching /server equipment for nationwide deployments. Responsible for day-to-day management and maintenance of nationwide network of Redback broadband routers. Automated router maintenance and simplified it making more efficient use of network engineering departments time. Tasked with stress testing carrier class evaluation equipment and worked closely with vendors to beta test unreleased equipment as well. Did wide ranging scripting for maintenance of routers and equipment stress testing. Also worked on network metrics and monitoring.

June 1997 – March 2000

**Senior Network Architect, MM Internet (Los Alamitos, CA)**

Responsible for management and design of high-speed network for broadband DSL service. Managed multi-homed BGP4 network for redundancy of network services provided to MM Internet customers. Managed relationships between ILEC/CLECs for maintenance and growth of broadband services. Performed technical support for top tier escalations on a case-by-case basis. Administrated and maintained moderate sized group of Linux servers in multiple geographic locations. Responsible for researching new products and technologies for review and use by the company. Focused on creating new services and revenue streams for the company while minimizing capital layouts.

**Education**

2004 - Current

**Bachelors Degree Information & Computer Science, University of California (Irvine, CA)**

BS degree in Computer Science expected at end of 2007.

**References**

Available upon request.