

Peter J Toscano
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OBJECTIVE

Seeking a fast-paced, intellectually stimulating environment in which I can apply my problem-solving, programming, Linux, and networking skills in a security-related position.

SYNOPSIS

I have designed, maintained, secured, and monitored a research network of twenty to fifty hosts, supporting six to ten users with a spotless security record and operational uptimes. Additionally, I've supported external users with programming and research support.

WORK EXPERIENCE

VeriSign, Inc. and Network Solutions, Inc. Sterling, VA

Systems Research Manager / "Enabler" January 2001 – Present

Systems Research Engineer September 1999 – January 2001

- Key player in getting the first official VeriSign blog launched.
- Advised internal groups on blogging and blogging software.
- Installed and configured software.
- Helped craft a workflow that balanced the nature of blogging with the protective nature of lawyers.
- Customized plugins to fit our blogging workflow.
- Trained all parties involved on how to use the software with our posting process.
- Received an internal award for this project.
- Deployed a bulletin board system for an internal group, replacing a similar external system from an outside vendor, saving the company \$1,000 to \$3,000 a month. Helped train the group and currently maintain the system. Received an internal award for this project.
- Evaluated, tested, deployed, and maintained systems demonstrating various new technologies.
- IPv6, VoIP, IP-based lawful intercept.
- Traveled to trade shows to help demonstrate and troubleshoot these systems.
- Helped customers and potential customers interface their systems with ours.
- Designed and deployed a secure, multi-architecture, cross-platform package update system.
- Re-designed network to reduce cost and increase efficiency.
- Deployed Nagios network monitoring system.
- Secured, maintained, and deployed Linux and Solaris servers for both infrastructure and pilot program work.
- Adding SELinux mandatory access controls to servers that support it.
- Maintained and deployed group's email, mailing-lists, web, blog, wikis, DNS, time servers, and MySQL and PostgreSQL databases.

Software Engineer May 1998 - September 1999

- Developed servlets, CGIs, and other back-end programs and utilities in Java, C, and Perl.

- Helped co-branding partners build interfaces to the Network Solutions system.
- Wrote an example Perl interface for partners to use or modify for their own interface.
- Talked directly with partners to troubleshoot problems with the interface.

PSINet, Inc., Herndon, VA

Internet Software Engineer, February 1996 - May 1998

- Developed secure customer-facing account management system.
- Maintained and modified an auto-registration server and PSINet's home-grown back-end customer database.
- Departmental Solaris system administration.

Corporate Customer Support Technician, June 1995 - February 1996

- Member of the corporate customer support Rapid Response Team.
- Assisted corporate customers in setting up, configuring, and troubleshooting network-related services, such as routing, email, and DNS.
- Development work on Perl CGI to output a platform-specific firewall configuration based on platform-independent desires.

COMPUTER-RELATED SKILLS AND TRAINING

Operating Systems

- CentOS, Red Hat Enterprise Linux, and Fedora Core Linux, other Linux distributions, OS X, Windows, xBSD, Solaris, and IOS

Programming Languages

- Python, Bourne Shell, C, Perl, Java, C++, TCL, LISP, Prolog

Security Tools and Technology

- OpenSSH, Tripwire, Samhain/Yule/Beltane, SELinux, Netfilter/IPTables, Nmap, Kismet, Nessus, Snort, Nikto, Ettercap, LogSentry, PortSentry, The Coroner's Toolkit, Autopsy

SANS Courses Completed:

- Intrusion Detection In-Depth
- Hacker Techniques, Exploits & Incident Handling
- Systems Forensics, Investigations & Responses
- Firewalls, Perimeter Protection & VPNs
- Securing Unix & Linux

ShmooCon 2006

Member of DC Security Geeks and Northern Virginia Linux Users Group.

EDUCATION

State University of New York Institute of Technology, Marcy, NY, 1995

- All course work for MSCS completed; Degree pending completion of thesis

State University of New York at Buffalo, 1992

- Bachelor of Arts in Statistics