

GOAL: Add value doing things I love with smart people I can both learn from and mentor.

QUALIFICATIONS:

- Co-author of *bash Cookbook* (O'Reilly 2007, 2017) and *bash Idioms* (O'Reilly 2022).
- IT professional since 1991, specializing in Information Security since 1997.
- Demonstrated ability to write comprehensive scripts and documentation to clearly communicate complex material.
- Strong analytical and troubleshooting skills.
- Proficient in Red Hat/CentOS and Debian/Ubuntu Linux administration, automation, and integration.
- Telecommuter since the late 1990's and can work effectively on a team and independently.
- Member of ISSA, InfraGard, PLUG (Philly LUG) and other industry related groups.
- For more information, including published articles, and tools I've written, see <http://www.jpsdomain.org/jp/> and <http://www.jpsdomain.org/public/>.

EXPERIENCE:

2015 to present *Senior Security Engineer, for BT Assure Threat Monitoring, Reston, VA.*

- Collaborate on design, implementation, debugging, and quality assurance for Assure Threat Monitoring systems and devices.
- Support, trouble-shoot, automate, document and improve Assure Threat Monitoring systems and devices.
- Maintain, upgrade and improve Linux development and testing physical and virtual environments, including system administration tasks.
- Write, edit, update and improve internal tools and documentation.
- Facilitate configuration and code retention/revision control and documentation.
- Provide Perl/bash scripting automation and support to other teams as needed.

2015 to 2015 *Senior Systems Engineer, for Silent Circle, Washington DC.*

(Silent Circle acquired SGP)

- Support, automate and improve various IT systems for the global customer service operation, IT and Engineering.
- Write or update and improve internal documentation for customer service, IT and other groups.
- Assist with general IT operations spanning several world-wide data-centers using ESXi and Ganeti/KVM virtualization for CentOS, Debian and Ubuntu hosts and Ansible configuration.
- Provide Perl/bash scripting automation and support.

2014 to 2015 *Director, Customer Support, for SGP Technologies SA, Washington DC.*

- Design and build a customer support operation to support the world-wide rollout of Blackphone.
- Write the majority of the initial support content and edit the rest.

2005 to 2014 *Senior Security Engineer for BT Global Services (Sensor & Platform Eng.), Santa Clara, CA.*

(BT acquired Counterpane)

- Deliver custom "platforms" (Red Hat/CentOS Linux appliances) for managed log monitoring, retention and IDS.
- Improve process, automation and documentation for all aspects of "Platform Delivery."
- Implement robust automated and semi-automated "signature" update and deployment systems.
- Collaborate on design, debugging, quality assurance, trouble-shooting and training/mentoring.
- Maintain, upgrade and improve Linux development and testing physical and virtual environments, including system admin.
- Provide Perl/bash scripting automation and support.
- Facilitate code retention/revision control (CVS, SVN) and documentation (Mediawiki).

- 2002 to 2005 *Integration Manager for Counterpane Internet Security, Cupertino, CA.*
- Responsible for managing integration of customer network into Counterpane's managed security monitoring (MSM) service, including coordinating resources as needed to ensure success.
 - Responsible for customer satisfaction and realization of the value of the MSM service.
 - Develop, document and update the Integration Methodology.
 - Perform ad hoc research and testing as needed to investigate new threats and to facilitate integration of unique customer environments into Counterpane's monitoring service.
- 2004 to 2005 *Technical Writer, TechTarget's SearchSecurity.com, Needham, MA*
- Write a monthly "Network Security Tip" for publication on the SearchSecurity.com site and in the *Network Security Newsletter* e-newsletter.
 - Answer network security questions submitted to SearchSecurity.com's "Ask the Expert" forum.
 - See <http://www.jpsdomain.org/jp/> for pointers to published articles.
- 2001 to 2003 *Technical Editor, Information Security Magazine, Norwood, MA*
- Perform new security product tests and write technical reviews.
 - Research and write freelance features on network security technologies and practice.
 - Provide technical fact checking for editorial staff.
 - See <http://www.jpsdomain.org/jp/> for pointers to published articles.
- 1997 to 2002 *Network Consultant 1, 2 & 3 for AlphaNet Solutions, Inc., Wayne, PA.*
- Collaborated on the development of documentation, methodologies, processes, procedures, marketing material and training plans for an Information Security Practice.
 - Wrote "Firewall Feature Comparison Matrix," "Hardening NT for Firewall Installation" including automated tools, "What is SecurID?," "A Brief on Denial of Service Attacks," "ISP Router Configuration for Cisco 800's," VPN User and Technical guides, Firewall configuration templates, a computer term glossary and many other technical documents.
 - Performed Information Security assessments and developed Information Security Policies for clients.
 - Designed and implemented perimeter security solutions.
 - Designed and implemented authentication security solutions.
 - Participated by request in a consultant's Executive Advisory Council formed by the CEO.
- 1994 to 1997 *Consultant for The Reohr Group, Inc., Valley Forge, PA.*
- Provided all 2nd and 3rd level support for over 500 domestic and international E-Mail users, including integration of products from in-house, Microsoft (MS-Mail), Lotus (Notes) and AT&T (EasyLink).
 - Managed and administered a PC testing lab, including various automation projects.
 - Coordinated and performed network integration, system administration, end-user installation and support for a large MS-Mail implementation project.
- 1993 to 1994 *Systems Support Analyst for Day & Zimmerman Information Solutions, Radnor, PA.*
- Provided all 1st and some 2nd level hardware and software troubleshooting and support for an Enterprise level Help Desk. Also performed routine Netware and HPUX User account and permission administration and re-engineered IP Address assignment procedures and documentation.
- 1991 to 1993 *PC Support Specialist for Popular Club Plan, Garfield, NJ.*
- Handled all aspects of purchasing, installation, maintenance, programming, troubleshooting and end user support for 150+ microcomputers.
- CERTIFICATIONS:**
- Certified Information Systems Security Professional (CISSP); 2000 to present
 - Microsoft Certified Systems Engineer (MCSE); late 1990's
 - CheckPoint Firewall-1 3.x Certified Systems Engineer (CCSE); mid-late 1990's
 - WatchGuard Certified System Professional (WCSP); mid-late 1990's
 - Novell Certified NetWare 3.x Administrator (CNA); mid 1990's
 - BS Information Science, University of Pittsburgh.
- EDUCATION:**
- Minor: English Writing.