

## David William Krause, CPISM/A

An experienced IT professional with a strong background in information security, compliance and operations. Proven success in leading large projects such as PCI Level 1 merchant compliance and datacenter relocations. Twelve years of professional IT experience, including 10 years of information security experience, 5 years of payment security experience, 11 years of Linux experience, and 7 years of OpenBSD development experience.

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### Qualification Highlights

- Information Technology
- Information Security
- Regulatory Compliance
- Business Continuity
- Systems Integration
- IT Strategy Development
- Process Improvement
- Operations Management
- End-user Support
- Internet Technology
- Technical Analysis
- Project Management
- Payment Systems
- Crisis Leader
- Network Engineering
- Quality Assurance
- Software Engineering
- Mentoring and Instruction
- Client Relationships
- Technical Writing
- Multi-Platform Networking

### Technical Expertise

- Systems
  - Windows, UNIX, OpenBSD, NetBSD, Linux, Solaris, Mac OS, iSeries (AS/400)
- Software
  - Access, Active Directory, AJB FiPay/RTS/Pathfinder, Apache, Bind, Blackberry Enterprise Sever, Crystal Reports, CVS, Endeca, Exchange, FileMaker, Hyper-V, Informatica, IIS, ISA Server, Kewill Clippership, Lawson, LISTSERV Maestro, Live Communications Server, LPMS, Mingle, MySQL, Nagios, Nessus, Office, Perforce, Project, Qmail, RemoteWare, Request Tracker, Samba, Sendmail, SharePoint, SmartClixx SVC, Snort, SpamAssassin, SQL Server, Squid, Symantec Backup Exec, Symantec Endpoint Protection, Tomcat, Visio, Virtual Server, Voicent, WebSphere, WinDSS, WSUS, XBR ProAct, and Xen
- Networking
  - BGP, DNS, DHCP, FTP, HTTP, IDS, IMAP, IPsec, IPv6, LDAP, NAT, NIS, NFS, NNTP, NTP, OSPF, POP, RAS, RIP, SMTP, SNMP, SSH, TCP/IP, VLAN, VPN, WLAN, and WINS
- Hardware
  - x64, x86, UltraSPARC, PowerPC, StrongARM, PA-RISC, HP printers, Network Appliance filers, F5 BigIP, Cisco, ConSentry, Foundry, HP, and Netopia routers and switches, PolyCom video/voice, Zultys PBX/phones, LifeSize video, and SOHO devices
- Languages
  - C/C++, Perl, Pascal, Bourne-Shell, C-Shell, Korn-Shell, Make, Awk, Sed, Java, SQL, BASIC, HTML, KiXtart, JavaScript

### Professional Experience

- Information Security Officer, Senior System and Network Administrator, Books-A-Million (formerly NetCentral), Nashville, TN, 2000-Present
  - Performed a wide variety of security, system, and network management duties in a heterogeneous environment with over 230 remote locations.
  - Current focus is on information security, business continuity, regulatory compliance, monitoring, license/support contracts, and mentoring junior administrators.

- Oversaw several key projects, including multiple PCI Level 1 merchant audits and remediation activities, Sarbanes-Oxley (SOx) compliance, multiple datacenter relocations, and the 2007 Daylight Saving Time change.
- Supervised incident response procedures and forensics analyses, devised security policies, directed security initiatives and performed web application security audits.
- Developed Single Sign On solution for Windows, UNIX, Mac, and iSeries (AS/400)
- Implemented an IPsec VPN, DMZ, network segmentation, and expanded firewall setup to provide redundancy and failover, including host and network-based intrusion detection systems and load balancing.
- Deployed enterprise-wide automated patching to over 1600 Windows servers and workstations.
- Launched a new callcenter and several office locations on VoIP.
- Configured network monitoring software and change control of all network devices.
- Computer Lab Assistant, Vanderbilt University Payne Computer Lab, Nashville, TN, 2000
- Help Desk Consultant, Vanderbilt University ACIS Help Desk, Nashville, TN, 1999
- EECS Lab Assistant, Vanderbilt University School of Engineering, Nashville, TN, 1998-2000

## Education

- Vanderbilt University, Nashville, TN - Computer Engineering, 1998-2003
- Louisville Male High School, Louisville, KY - Science and Math, 1994-1998

## Certifications

- Certified Payment-Card Industry Security Manager (CPISM)
- Certified Payment-Card Industry Security Auditor (CPISA)

## Professional Conferences/Training/Workshops

- Society of Payment Security Professionals CPISM/A Training, San Francisco, CA, 2009
- Metro Nashville Citizen Police Academy, Nashville, TN, 2008
- PCI (Payment Card Industry) Conference (Security Opus), San Francisco, CA, 2007
- InfoSec Nashville, TN, 2004, 2005, 2006, 2007, 2008, 2009
- OpenBSD c2k3, c2k4 Developer Hackathon, Calgary, AB, Canada, 2003, 2004
- 10th USENIX Security Symposium, Washington, D.C., 2001

## Activities

- OpenBSD, Developer, 2003-Present
- Nashville Philharmonic Orchestra, 2006-Present
- Society of Payment Security Professionals, Member, 2008-Present
- River Glen Home Owner's Association, Vice President, 2007-2009
- Vanderbilt University Student Government Association, Technology Committee, 1999-2000
- Nashville Linux User's Group, Member, Moderator, and Presenter, 1998-Present