

David William Krause, CISSP, PCIP

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HANDS-ON INFORMATION SECURITY MANAGEMENT PROFESSIONAL

Healthcare - Financial and Payment (PCI) Security - IT Operations - Project Management - Compliance

Accomplished hands-on technical leader with 16 years of broad IT experience and a strong background in information security, regulatory compliance, and project management. Proven success in leading large projects such as PCI Level 1 merchant compliance, SSAE 16 audits, email encryption, and datacenter relocations. Capable of managing both strategic goals and executing operational tasks. Subject-matter expert for security, Windows, Linux, Active Directory, and networking. Well respected by peers for demonstrating passion through technology and process improvement.

Professional Experience

- **Senior Security Engineer, Security Risk Intelligence, HCA Healthcare, Nashville, TN 2014-Present**
 - Performed vulnerability management, penetration testing, risk analysis, and web application security assessments for a Fortune 100 healthcare company.
 - Responded to major vulnerability announcements such as Heartbleed and helped coordinate actions.
- **Security Engineer, Franklin American Mortgage Company, Franklin, TN 2011-2014**
 - Responsible for the design, development, implementation, and operation of information security and physical solutions for the organization including people, network, systems, data, and applications.
 - Created security architecture roadmap and performed internal security assessments.
 - Lead SSAE 16 SOC 1 audits for IT and business units and coordinated business process requests.
 - Worked closely with compliance, risk, and legal to determine security impact of regulations, respond to state, federal, and business partner exams, and set document retention requirements.
 - Managed implementation of email protection, encryption, network, web filtering, and other projects.
 - Conducted interviews for IT Operations personnel and made hiring recommendations.
 - Wrote, audited, and enforced IT policies and procedures.
 - Tracked and delegated IT Operations tasks from business units and development.
 - Facilitated daily scrum (stand-up meeting) for IT Operations and other projects.
 - Coordinated incident and outage response for IT Operations including notifying business of issues.
 - Performed web application security testing and worked with development to remediate and create training materials.
 - Oversaw change control and planned maintenance activities for IT Operations.
 - Responded to e-discovery, financial reporting, and vendor due diligence requests.
 - Implemented role-based control and security for Active Directory and automated account auditing.
 - Reviewed security for new business solutions and documented IT controls.
 - Responsible for technical aspects of business continuity plan including testing and implementation.
 - Presented security metric reports to management and sent security notifications to employees.
- **System and Network Administrator (Information Security and Compliance), Books-A-Million (formerly NetCentral), Nashville, TN, 2000-2011**
 - Performed a wide variety of security, system, and network management duties in a heterogeneous environment with over 230 remote locations.
 - Focused on information security, regulatory compliance, business continuity, disaster recovery, monitoring, and mentoring other administrators.

- Oversaw several key projects, including multiple PCI DSS/PIN Level 1 merchant audits/remediation, Sarbanes-Oxley (SOX) compliance, BCDR planning/execution, and datacenter relocations.
- Conducted security assessments and risk analysis reports and made recommendations for improvement including scope reductions to save money on PCI audits.
- Supervised incident response procedures and forensics analyses, devised security policies, directed security initiatives and performed web application security audits.
- Trained employees on security awareness and secure web application programming.
- Executed disaster recovery tests and plans while remaining calm under pressure.
- Developed Single Sign On solution for Windows, UNIX, Mac, and iSeries (AS/400).
- Provided information and collected data for use in electronic discovery (e-discovery) cases.
- Implemented an IPsec VPN, DMZ, network segmentation, firewall redundancy and failover, load balancing, and host and network-based intrusion detection systems.
- Designed secure external architecture of Lawson Employee Self Service (ESS/EMSS).
- Automated wireless security scanning using free software and existing systems.
- Migrated systems to SAN and virtualization/cloud to increase availability and save money.
- Deployed enterprise-wide automated patching to Windows systems.
- Supported both external and internal web hosting and email customers of NetCentral.
- Configured monitoring and change control of all network devices using free software.
- Deployed workforce management software for 4000 store employees saving time and money.
- Exposed multiple software and configuration bugs to decrease downtime and errors.
- Moved systems into separate data centers to save money on disaster recovery costs.
- **Developer, OpenBSD Project, (unpaid position), 2003-Present**
 - Over 700 commits to the open source operating system repository.
 - Tracked down and resolved many kernel bugs in the firewall and networking stack.
 - Improved documentation and software manuals.
 - Created and maintained various ports.
 - Updated and ran regression tests which lead to many bugs being found and resolved.

Certifications

- Certified Information Systems Security Professional (CISSP), #342651, 2011-2017
- Payment Card Industry Professional (PCIP), #1000-615, 2013-2016
- Proofpoint Enterprise Security Certified Engineer, 2013-Present
- Proofpoint Enterprise Security Associate, 2013-Present
- VMware Certified Associate - Cloud (VCA-Cloud), 2014-Present
- VMware Certified Associate - Data Center Virtualization (VCA-DCV), 2014-Present
- VMware Certified Associate - Workforce Mobility (VCA-WM), 2014-Present
- Certified Payment-Card Industry Security Manager (CPISM), 2009-2012
- Certified Payment-Card Industry Security Auditor (CPISA), 2009-2012

Education

- Vanderbilt University, Nashville, TN - Computer Engineering, 1998-2002

Professional Training

- Model-Netics - Information security - PCI (Payment Card) - Red Flags Rule - Anti-Money Laundering
- Agile and Kanban SDLC - Business Continuity - Juniper Junos - VMware vSphere
- Emergency response - Firefighting - Policing - CPR - Storm Spotting