Steven Frey

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New Waverly, TX 77358
Home 936.581.0161

An information systems professional possessing excellent communication skills and management experience. Proficient in software development, database design, and security. Experienced in hardware and software setup, configuration, and systems management, as well as data center management and operations.

Education

Masters of Science in Digital Forensics
Sam Houston State University 2005-2006
- Areas of Focus : File System Forensics, Steganography, Cryptography, Network / Digital Security, Cyberlaw
- Graduate Project – Client-based illicit image detection

Bachelor of Science in Computing Science
Sam Houston State University 1996-2000
- Graduated with High Honors

Certifications and Training

ITIL Version 3 Foundation Certification
VMware ESX & VCenter Training
EnCase Computer Forensics Training
Cisco UCS Server Training

Overview of Technical Expertise

Security
Understanding of CIA in Information Security, Digital Forensics Investigations and Security Incident Management, Firewalls, IPSs, Endpoint Protection, 2FA

Infrastructure
Standard Operating Procedures, Disaster Recovery Procedures, Backup Solutions and Retention Policies, Server High Availability, Secure System Architecture, Microsoft Clustering, Microsoft Active Directory, DNS

Hardware
Enterprise-class Servers, SSLVPNs, Hardware Load Balancers, RAID Disk Arrays, Network Switches, Storage Area Networks, NAS, Fibre Channel, LTO Magnetic Tapes, Drives, Robotic Loaders, Access Control Devices (gates, card swipes, LCD displays, serial relay boards), Auxiliary Generators, ATS, UPS and Bypass, Computer Room Air Conditioning, Power Distribution Units

Software
Microsoft Windows Server, VMware ESX server, Microsoft Exchange Server, Microsoft and Linux Web Servers, RSA ACE Server, Point-of-Sale systems, Ellucian Banner, Microsoft Windows 7, Microsoft Office Suite, Microsoft Visio and Project

Programming Languages
Visual Basic 6.0, VBScript, Visual Basic .Net, ASP, C++, C#, Perl, Java, PHP, XML, ADA, Powershell

Databases
Microsoft SQL Server, Microsoft Access, PostgreSQL, MimerSQL, Oracle, MySQL

Employment Experience

IT@Sam Information Security – Sam Houston State University

Information Security Officer
Jul 16, 2016 – Present

Management Experience
- Oversee and provide mentorship to 2 personnel on Information Security team
- Prepare budget for Security operations
- Member of Change Management team and Emergency Change Advisory Board.
- Member of Knowledge Management team.
- Member of Problem Management team.
- Member of Executive Management team where I work with peers on policies, staffing, budgeting, and project workload for the entire IT division.
- Host Patch Management and Patch Compliance meetings. Monthly assessment of server patches based on risk assessments and follow-up compliance assessment of patches that were applied.

Security Experience
- Maintain Information Security Program
- Administer Security Awareness Program
- Coordinate Security Incidents and Non-Consensual Access
- Review and Report Security Incidents and statistics to DIR
- Prepare, Submit, and Report on Information Security Plan to DIR and University Administration
- Coordinate and/or implement and administer Information Security systems including but not limited to Intrusion Prevention Systems, Data Loss Prevention tools and services, end-point anti-malware solutions, Network and Web Application Firewalls, Vulnerability Scanners, Two-Factor Authentication, Log Aggregation and Correlation, and VPNs.

IT@Sam Infrastructure and Support Services - Sam Houston State University

System & Operations Manager
Mar 2008 – Jul 15, 2016

Management Experience
- Oversee 17 personnel on Server Administration and Datacenter Operations teams, write job descriptions, interview and hire new candidates, annual reviews, lead professional development, and mentoring
- Ensure standards and best-practices are followed
- Prepare budget and plan new University infrastructure IT projects
- Lead teams on building new and upgrading existing University systems affecting 50,000+ user accounts and 500 servers (reliability and capacity per user, Active Directory Upgrade, Split DNS architecture, Server Virtualization to reduce server cost, Web Farm upgrade, and Print Server Cluster project, Storage system implementations (Fiber Channel SAN and 10Gb NAS)
- Member of Change Management team and Emergency Change Advisory Board.
- Member of Knowledge Management team.
- Member of Problem Management team.
- Member of Patch Management team. Monthly assessment of server patches based on risk assessments and coordinate application of patches. Coordinate semi-annual patch roll-up of all servers.

Security Experience
- Backup to Security Personnel – Provide threat analysis and risk acceptance for system patches when no other security personnel are available
- Least-privilege model and standard build-doc to ensure modeled risk assessment

- Host-based firewalls and encrypted communications channels where appropriate
- VPN implementation using Juniper SSLVPN appliances
- Oversee Identification system (Active Directory), Authentication systems (Active Directory, RADIUS, CAS), and Authorization systems (Active Directory, RADIUS, Shibboleth, CAS, ADFS).

Processes and Documentation Experience
- Spearhead Change Management process adopted by entire Division
- Authored System and Server Standards based on State, University, and Departmental policies and expectations
- Developed documentation templates (design, project, installation, build, how-to and decommission documents) for new projects and servers
- Co-Developed competency program for Operations staff members

Development Experience
- Member of team responsible for developing custom multi-tiered application for use in Self-Service Account Creations and integration with new Banner system. This system allows for users to activate their accounts, change passwords, reset passwords, reset PINs, update non-University e-mail and txt message addresses, request new and maintain existing e-mail aliases. Integrated with Banner, the system automatically modifies access when users change departments or roles and disables and deletes accounts when users lose eligibility.
- Member of 3 person team responsible for developing SHSU ITSM tool based on Cherwell framework.

LyondellBasell Industries
IT Technologist II
Sep 2007 – Mar 2008
Security Experience
- Windows server hardening and vulnerability assessments
- Audit anti-malware compliance
- Two-factor authentication system management
- Temporary Administrator account provisioning
- Self-Service Password Reset system management
- Workstation risk assessments

Processes and Documentation Experience
- Change Management processes
- Security & System Standards

Computer Services - Sam Houston State University
Programmer/Analyst II
Jan 2001 – Aug 2007
Infrastructure Experience
- Designed and coordinated the University Data Center including physical layout design, data center migration planning and implementation, capacity planning, and data center operations management
- Planned and aided the conversion of Telephone operations to VOIP
- Managed software configuration and deployment to campus workstations
- Server management responsibilities included : 40+ Windows Servers, 70+ Linux Servers, deploying software to Application Servers,

Security Experience
- Assisted University Law Enforcement on computer crime cases aiding seizure of computer evidence, establishing best practices for data preservation, construction of timeline audits and reports on computer usage, and developed polices on IT incident response

Management Experience
- Assisted managing Server / Systems Team
- Developed Procedures for Data Center maintenance
- Provided technical and professional mentoring to junior personnel

Development Experience
- Maintained University Identity Management System. Designed the database, created stored procedures, automated the User Account Creation process, and created an online Passphrase Changes application
- Experience with Visual Basic .NET WinForms
    - Credit Card based Point of Sale system for Parking Garage
    - Windows Profile Monitor and Cleanup Utility
    - BearKat OneCard ID Card Printing Utility
    - BearKat OneCard ID Picture Acquisition Utility
    - ID Card-based Gate Access for Recreation Center
- Experience with Custom VBScripts employed to automate Windows functionality
    - Automatically map specified printers based upon Active Directory Organization Unit
    - Other miscellaneous scripts used in day to day Windows administration

Computer Services - Sam Houston State University
Systems Student Worker
Sept 2000 – Dec 2000
- Packaged Windows software for managed workstations
- Assisted in Account Creations for new computer accounts

New Waverly I.S.D.
Technician / Network Administrator
Sept 1997 – Sept 2000
- Built and repaired IBM Compatible PC and Macintosh computers
- Administered Novell 4.1, Windows NT, and Windows9x networks
- Installed computer networking and other communication devices