Kirk A. Burns, CISSP

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EXPERIENCE SUMMARY:

Current **CISSP** (Certified Information System Security Professional valid through 31 Aug 2016) with over 12 years of results-oriented leadership and project management experience as an Information Technology (IT) manager and 29 years as an officer for the U.S. Army in an extremely technical field that required ongoing personal as well as outside organization education. Hold a current Department of Defense **(DoD) TS/SCI security clearance**. Lead teams (both small and large) within the military and civilian career fields on technically demanding and operationally complex projects that required frequent coordination and internal selling of often competing mission goals, funding and operational oversight. Have the ability to take complex technical computer and operational concepts and distill them into understandable terms that helped accomplish several projects ranging from very small to very large-scale. Have generated revenue for clients through increased organizational influence that have led to increased buy-in from outside sources to ensure success on projects and organizational goals.

EMPLOYMENT HISTORY:

Cybersecurity Awareness Training Officer   **Jan 2016 to Current**
Texas Department of Public Safety   Austin, TX

- Responsible for the training of over 10,000 employees and contractors in Cybersecurity Awareness.
- Established a cybersecurity training program that all new hires must attend on their first day of employment.
- Established an online training program to educate employees on Cybersecurity and Criminal Justice Information Services (CJIS) requirements.
- Responsible for managing continuation training for all TXDPS Cybersecurity Division employees.
- Establish cybersecurity programs to educate law enforcement commissioned officers on best practices and cybersecurity issues. Such issues include, but aren't limited to, Digital Forensics investigation, proper seizure and handling of electronic media, malware, etc.
- Responsible for Records Retention for the TXDPS Cybersecurity Division.
- Brief the Director and Deputy Directors of TXDPS on relevant cybersecurity issues as needed.

Senior Support Consultant   **Apr 2015 to Jan 2016**
Hitachi Consulting   Bryan, TX

- Perform consulting work for a major defense contractor and industrial corporation.
- As needed perform consulting and duties consistent with duties of a Systems Administrator and Security Analyst.
- As needed perform consulting and duties consistent with that of a Database Administrator.
- Routinely monitor and administer computers that keep important infrastructures working for this fortune 500 company.

Professor (Non-tenure Lecturer position)   **Jan 2012 to Current**
Sam Houston State University (Computer Science Department)   Huntsville, TX

- Teach four (4) online sections of Introduction to Computer Science for Non-Majors.
- Cover topics such as Operating Systems (primarily Linux, Windows and Mac), Open Source Software, Computer Ethics, Basic Computer Hardware, Office Suites (Microsoft, Google Docs and Open Source), Graphics Manipulation, Website design (primarily in html but also discuss CSS

and other web languages), Podcast creation, Malware, Cybercrimes/cyberterrorism/cyberwarefare Steganography and Encryption, etc.
- Hold seminars on Malware for the department.
- Working specialty projects with the FBI on malware analysis as well as with the Federal Bureau of Prisons for law enforcement secret projects.

IT Manager (Computer Technology Coordinator)   Nov 2001 to Dec 2012
Sam Houston State University (Library)   Huntsville, TX

- Extensive experience security testing and hardening multiple enterprise operating systems including workstations and specialized servers based upon the Microsoft (NT, 2000, 2003, XP, Vista and Windows 7), as well as Linux (Fedora Core, Knoppix, Knoppix STD and Ubuntu) Operating Systems.
- Supervised a team that was responsible for accountability of and maintenance of University computer library systems including security updates, software patches, anti-virus updates and malware scanning.
- Server Administrator on nine servers (SQL, file, and four specialty servers) where responsibilities included updating OS, anti-virus and specialty software.
- Administered a Microsoft SQL and proprietary database which required creation of custom scripted queries to the database to add, manipulate and extract data for reports and maintenance.
- Administered multiple limited use specialty servers running MySQL as the backend database to store data. Created custom scripts to query the database, run reports and perform maintenance on the database.
- Several years experience creating specialty scripts using Perl, BASH, Batch and JavaScript scripting programs.
- Created multiple Java programs as needed for specialty purposes. Most notably being one that would allow non-university library patrons to log into a non-domain computer for internet access and forcibly log them off of the computer when their allotted time expired.
- Reviewed code and tested all custom scripts provided by software vendors in a test environment for vulnerabilities and possible problems prior to using on the appropriate production server.
- Managed a team that was responsible for troubleshooting, repairing and performing preventive maintenance on computers, printers and other hardware which includes replacing parts as necessary and correcting hardware and software conflicts as needed.
- Ensured University wireless LAN in the building functioned properly thereby allowing authenticated users access to subscribed databases and other sensitive resources.
- Managed a team that maintained over 60 laptops for student and faculty usage on wireless system which included routine updates and utilizing Norton Ghost to reset computers after each use.
- Coordinated with other University departments and Colleges to provide training on specialty programs and equipment within the library; primarily the visual impairment computers plus associated software and the video editing machine.
- Routinely worked with multiple University departments and off-site agencies for various collaborative projects.
- Multiple times have worked with other University departments and Colleges to build a consensus on standards and implementation on such projects as computer lab creation, wireless and software implementation for over 16,000 users (internal and external).
- Worked as part of a team that had to draw up plans for the library renovation project. Had to propose the changes required to University administration and obtain buy-in from them as to how these changes would advance the University's agenda for students then had to coordinate with contractors to insure specifications for the project were being met.
- Routinely coordinated with multiple University offices and departments as well as other Colleges to generate customer buy-in for software, equipment and projects.
- Developed and implemented an IT Disaster Recovery plan for irreplaceable data stored on department servers.

- Developed an IT Disaster Recovery plan for the production server used by the University library to store data on over 16,000 users as well as over 1.3 million titles along with history on both where the loss of the data would cripple the organization.
- Taught MCSE, A+ and CCNA college classes for the Computer Science Dept of SHSU.

Tactical Operations Officer / Instructor Pilot   Dec 1986 to Current
U.S. Army   Iraq and USA

- Currently hold **DoD TS/SCI Security Clearance (Top Secret / Sensitive Compartmented Information)**.
- Setup and administered a DoD Secret classification flight planning network consisting of four servers and several desktop machines as well as remote computers. Insured data connections were kept secure and free from external monitoring of information as well as data continuity between computers.
- Act as unit S-6 and enforce unit and higher computer security procedures as well as routinely educate users about common threats to computers and security procedures.
- Acted as primary pilot/Tactical Operations Officer and primary Instructor pilot for the MNCI commander LTG Odierno. In that capacity was required to establish as procedure that would allow highly classified travel planning information to be transmitted across the country of Iraq while ensuring all information was kept free of external monitoring. Sensitivity of the information was such that any leaking of the information would have endangered the general's life as well as potentially hundreds of thousands of other lives.
- Established and assist in maintaining a mission planning system with the capability of being used during a deployment for dissemination of classified material.
- Program, monitor and inspect all Aircraft Survivability Equipment (ASE). This includes downloading DoD Secret level encryption and installing that on the unit's aircraft to protect the aircraft and aircrews from enemy weapon systems.
- Monitor and recommend tactics, techniques and procedures of unit aircraft to ensure aircraft and aircrew safety in the event of deployment to a combat zone.
- Provide training in, and monitor continuation training of, ASE equipment for all assigned unit crew members.

Lead Network Technician   Mar 2000 to Nov 2001
Sam Houston State University (Computer Services)   Huntsville, TX

- Multiple times was the lead network technician responsible for coordinating with University administration, local city council and contractors on multi-million dollar projects for renovation of campus network within and between buildings to include across local city zoned areas.
- Programmed and troubleshot Cisco switches for routing problems.
- Installed, terminated, troubleshot and trained subordinates on problems with Cat 5 cable and fiber in and between University buildings.
- Diagnosed and repaired computer systems network connection problems.
- Explained and educated faculty, staff and students on network and computer issues.

EDUCATION:

Master of Science in Digital Forensics from Sam Houston State University
Aug 2008

Bachelors of Science in Computer Science from Sam Houston State University
Dec 2002

Bachelors of Science in Criminal Justice from Sam Houston State University
Dec 2002

Kirk Burns
Resume

SPECIAL SKILLS AND KNOWLEDGE:

- **CISSP**
- Twenty-nine years management experience as an Army Officer
- Experience with Ethernet, Line Testers, Fiber cable termination/fusion splicing
- Experience with programming and maintaining Cisco switches
- Experience with troubleshooting network connectivity problems on a LAN and WAN
- Functional experience with the programming languages of C++, C#, Java, Perl, Visual Basic and Assembly
- Administer and provide security on SQL, file, IIS and specialty servers