SEAN C. BURNS | ACE, MCP

400 Cinnamon Ln, San Antonio, TX 78212 • Home/Fax 201.897.5034 • E-Mail: scburns@gmail.com

CYBER SECURITY ENGINEER

Qualifications Profile

Solutions oriented, results driven Information Security professional with strong background in the administration and management of networked computer systems combined with nearly two decades of IT experience. Proven record implementing solutions that improve efficiency of IT and business operations. Innovative and ready to support leading-edge security solutions, utilizing strong research, problem solving and analytical skills.

- Track record of increasing responsibility in system administration, systems analysis including, full life-cycle project management.
- Hands-on experience leading all stages of system deployment efforts, including requirements definition, design, architecture, testing and support.
- Possess excellent critical/creative thinking, problem resolution, contract negotiation, budget analysis, development and implementation.
- Coordinate recommendations to senior management and staff, productive interaction with individuals of all backgrounds.

Technical Proficiencies

• Windows Server 2008R2, 2012R2	• Email Encryption/DLP	• Palo Alto Networks 5060
• Active Directory Administration	• SIEM - IBM QRadar	• Cisco ASA Firewall/VPN
• Internet Information Services	• Quest Change Auditor	• Basic Scripting (.PS, .PY)
• Windows Pro 7, 8.1 & 10	• MSP Risk Intelligence	• Network Access Control
• Linux – RedHat/CentOS	• RSA Authentication Manager	• Virtual Private Networking
• Mac OS X	• Trustwave/InCommon SSL	• Vulnerability Scanning

Professional Experience

The University of Texas at Austin • Austin, TX   2015 - Present
Senior Technical Programmer *(Information Security Office)*
Responsible for assisting in the organization and control of data access activities to ensure the safekeeping of data from illegal, intentional or unauthorized disclosure. Regularly interfaces with departmental administrators for the prompt resolution of issues ensuring the confidentiality, availability and Integrity of vital university data.
Key Achievements:
- Administration of security infrastructure, including Network Access Control, Firewalls, VPN, Authentication Servers and Linux/Windows Servers.
- Conduct vulnerability scanning on university servers to identify vulnerabilities.
- Proactively monitor networks and systems for potential threats and provide incident response.
- Audit data center/edge firewalls and recommend enhancements for threat mitigation.
- Contribute to the development of internal Information Security documentation and web content.

The University of Texas at Austin • Austin, TX   2012 - 2015
Senior Technical Programmer *(University Computing Systems)*
Provide assessment, problem resolution and service restoration tasks supporting the campus VMware infrastructure, Windows Domain Controllers, Enterprise File Server and Active Directory.
Key Achievements:
- Support of Active Directory and Wintel-related services in a domain server infrastructure delivering highly available services with focus on security and minimizing service outages.
- Responsible for daily Windows Server administration including modifications, upgrades, patching, backup, security and installation of software.
- Administration of Windows-based, enterprise-class server infrastructure including Active Directory, DNS and related core technologies.
- Maintain and develop PowerShell scripts for the automation of daily system administration tasks.

San Antonio Public Library • San Antonio, TX   2014 - 2015
Director of Technology *(Part-Time)*
Reporting to the Executive Director - Responsible for overseeing strategy, vendor management, project management and the Library technology infrastructure. Provided some hands-on experience supporting servers, applications and network infrastructure. Worked with department supervisors to ensure business needs are met and developed strategy for growth.
Key Achievements:
• Recommended innovative and cost saving solutions for server and desktop management.
• Performed daily system monitoring, verifying the integrity and availability of key infrastructure hardware.
• Audited existing Active Directory architecture and created new organizational units to enhance security.
• Streamlined business operations by leveraging existing technology and developed BC/DR plan.
• Worked under limited direction; extensive latitude for the use of initiative and independent judgment.

The University of Texas at Austin • Austin, TX   2008 - 2012
Senior Information Technologist (*Department of Public Safety)*
Implemented and maintained all Office of Public Safety Information Technology systems and liaised with campus IT. Served as a senior member of multi-disciplinary team to evaluate and improve existing systems.
Key Achievements:
• Prepared bid specifications and project managed deployment of IP CCTV system campus-wide.
• Trained end-users on efficient use of critical applications and security systems.
• Planned migration of mission critical applications from physical to virtual servers.
• Established Information Security policy improving security posture mitigating internal/external threats.

San Antonio Police Department • San Antonio, TX   2005 - 2008
Senior Police Information Systems Manager
Full lifecycle project management for new police headquarters with over two years of planning, design and implementation of IT infrastructure including telephony, HVAC, physical security, fire suppression and emergency backup power. Managed and coordinated 25 vendors throughout all project phases. Performed specialized computer forensics work on an as needed basis.
Key Achievements:
• Conceptualized and assisted in implementation of fault-tolerant, agile, high-availability network.
• Analyzed costs, resulting in reduction of $20K in redundant technology related expenses.
• Provided support to 70+ end-users for installed systems and applications ensuring problems were resolved in a professional and timely manner.

Austin Public Schools • Austin, TX   2004 - 2005
Computer Technician
Managed deployment of 300 workstations and network hardware for new high school facility. Sought corporate contributions for power protection and equipment racks realizing significant savings.
Key Achievements:
• Built, maintained and repaired computer and network systems to improve speed, reliability and efficiency.
• Demonstrated high quality, results-driven, prompt and professional support instilling confidence in technical advice and directions.

IT Engineering • Austin, TX   2003 - 2004
Programmer/Systems Engineer II *(DoD Secret Clearance - valid through 03/2008)*
Assisted in the development, test and implement acoustic observatory application for the Office of Naval Research.
Key Achievements:
• Developed programs aiding in efficiency and productivity, including user interface development using programming languages C (basic) and VB 6 (intermediate).
• Experimented with new technologies and routines to increase efficiency and reduce processing time.
• Assisted in all phases of the project lifecycle from collecting user requirements, preparing program specifications, coding and testing.

Electric Company. • San Antonio, TX   1996 - 2002
Data Center Architect *(held various positions prior to DCA)*
Designed distributed UPS architecture for existing and green field Data Centers. Significant floor space was realized to accommodate additional revenue generating equipment racks.
Key Achievements:
• Modeled client systems to determine barriers in achieving reliability objectives.
• Created customized mission critical Data Center designs for fortune 500 clients.

Education

The University of Texas at Austin • Austin ,TX   05/2017
Professional Science Masters - Cyber Security

The University of Texas at Austin • Austin, TX   12/2010
Graduate Certificate - Digital Forensics

Texas A&M • College Station, TX   03/2001
B.S., Information Science - Networking
Cum Laude

Texas Institute of Technology • Dallas, TX   03/1997
A.S., Computer Servicing Technology

Certifications & Professional Development

• Palo Alto Networks – Firewall Training | PAN-OS 6.1 – (**Accredited Configuration Engineer**)
• AccessData Forensic Toolkit: (**AccessData Certified Examiner,** exp 2/13)
• Roger Williams University, Windows 2000 MCSE Training: (**Microsoft Certified Professional**)
• New Horizons, Certified Novell Administrator, Novell NetWare 3.X (**Certified Novell Administrator**)
• Guidance Software – EnCase Computer Forensics II
• National White Collar Crime Center (NW3C) – Introduction to Securing Law Enforcement Networks
• Rhode Island Department of Public Safety/NESPIN – Digital Evidence Seizure and Preservation
• Center for Infrastructure Assurance and Security – Introduction to Voice and Data Security
• CloudLock University – Introduction & Advanced Security Fabric Training
• Dell Education Services - Administration & Advanced Management Compellent SAN
• Palo Alto Networks – Firewall 101 training – 6 hours of online instruction
• John E. Reid & Associates – Investigating Computer Facilitated Crimes against Children
• Advanced ESS Technical Seminar – Technical Course in ESS, HALT/HASS
• Introduction to ArcGIS I – 16 hours of Classroom Instruction

Professional Affiliations

• Member – Local Information Security Group – San Antonio, Texas Chapter
• Member (former) – Government Business Security – Texas Chapter

Community Leadership

• Parent/Volunteer - Boy Scouts of America – San Antonio, TX
• Technology Consultant/Webmaster (former) – Children's Healthcare Organization – Austin, TX
• GIS Implementation Committee (former) - Provide direction to and governance of town GIS program
• FCC Licensed HAM Radio Operator