

Interested in part-time, short term projects conducting Cybersecurity Training, Auditing, Audit Prep, Policy and Plan Review, and responding to Audit Findings.

CISSP certified. Experienced in Cyber Security policy, assessment, risk management, planning and principles, focusing on best practices in security controls to assure confidentiality, integrity, and availability of data. These include privacy assurance, identity and access management, security testing, patch management, intrusion detection, data loss prevention, encryption, and cryptography.

Cyber Security Manager, ISSO, Enterprise Desktop Manager, Project Manager

- ISSO (Information Systems Security Officer) for a Department of Energy Contractor, Parsons Corporation.
- Certified Information Systems Security Professional since 2020. GIAC Certification Windows Security Admin.
- Sustained ATOs (Authority to Operate) at DOE facilities and coordinated System Security Plans, Risk Analyses, and other documentation.
- Taught entry-level CompSci and Math classes at USCA for many years.
- Provided key roles in deploying and operating a state-of-the-art cyber security patch and vulnerability program that included all aspects of risk management and protection to meet policy-based requirements.
- Streamlined cycle times for security patching, software distribution and updates by 50%.
- Managed the strategic design and update support for the robust Windows desktop computing environment for 10,000+ PCs. Directed activities of engineers in a wide variety of Desktop Support roles.
- Implemented secured desktop and laptop platforms including removable-media and at-rest encryption.
- History of successes in implementation of enterprise projects. Reported to CIO on critical initiatives.
- Inactive DOE Q Clearance. (Equivalent to TS/SCI).
- Enterprise migrations to new Windows, Office, and hardware through planning and stakeholder participation.

Professional Experience and Projects

USCA SRESFS Summer Internship for Cybersecurity

2023-2024

Adjunct Professor and Activities Coordinator

- Developed courses and taught Intro to Cybersecurity and Cryptography for DOE-sponsored summer interns from Minority Universities.
- Coordinated 20+ guest speaker, enrichment activities, workshops and field trips for visiting interns.
- Solicited and coordinated additional faculty for the internship program.
- Mentored students for a 50% success rate in cybersecurity certifications.

Employed by Prime Contractors at Savannah River Site, Aiken SC

1985-2021

Parsons SWPF, Aiken, SC

2019-2021 (Retired)

Parsons is building and will startup a chemical processing facility to separate and concentrate liquid nuclear waste into a stable state. Funded by the US Department of Energy.

ISSO and Security Manager for Business Systems, Principal Cyber Security Analyst and Administrator

- Attained CISSP Certification.
- Coordinated major rewrite of NIST 800-53 based System Security Plans.
- Managed team of five people responsible for risk assessment, vulnerability management, and security baselines.
- Responsible for improving processes and systems to identify and remediate desktop and laptop security vulnerabilities for 400+ devices.
- Wrote PowerShell scripts for task automation, monitoring, metrics, and remediation.
- Improved average remediation times by 70%, from 30 to 10 days through innovative recognition of trends and identification of gaps in processes to identify offline and infrequently used systems.
- Implemented update processes to enable remote remediation instead of desk-side visits.
- Collaboration with Server and End User Computing groups in preparation for Windows 10 upgrades.

CB&I, Shaw Areva MOX, Aiken, SC

2011-2019

Partnership of Shaw Group and Areva Corp to build and manage a nuclear facility to repurpose nuclear materials into Mixed Oxide (MOX) commercial power plant fuel. Funded by the US Department of Energy.

IT Security Sr. Administrator and Help Desk Manager

- Manage Help Desk and staff for full life cycle support for Windows Imaging, rollout, upgrades, and patching. First day closure of over 90% on 20,000 tickets per year.
- Responsible for establishing and maintaining processes and systems to identify and remediate desktop, laptop, and sever security vulnerabilities for 2000+ devices. Passed and exceeded white-hat audits 3 years in a row.
- Configured Group Policy for Microsoft products exceeding FDCC standards.
- Responsible for departmental metrics, policy and procedure maintenance, change control board reviews.
- Provisioned and maintained user accounts in AD, Exchange, and key applications.
- Prevented vulnerabilities and threats through root cause analysis and proper application of technologies.
- Achieved balance between security and productivity by incorporating business needs into cyber planning.
- Designed, tested, deployed software updates to desktops and servers using Microsoft SCCM and other products.
- Attained GIAC Certification as Windows Security Administrator (GCWN). Active Q Clearance.
- Administered AntiVirus, Email Filtering, Web Proxy, Content Gateway, and Data Loss Prevention environments.
- Life cycle management of Printer and PC procurement, maintenance, excess, and sanitization.

Savannah River Nuclear Solutions, Aiken, SC

2002-2011

Partnership of Fluor, Honeywell, and Northrop Grumman for the \$5B Management and Operations contract to operate the 310 sq. mile Savannah River Site for the US Department of Energy.

Desktop Engineering Manager – Enterprise Systems Support

- Managed team of 10 engineers to support key business functions by providing error-free security and product updates for over 100 software packages to 10,000 Windows desktop systems.
- Leveraged skills and trusted relationships across the enterprise and management to resolve complex issues.
- Easily managed multiple projects and release cycles simultaneously.
- Implemented best in class enterprise Desktop Management and cyber security program.
- Mentored Desktop Engineers' best practices and provided new challenges to staff.
- Adhered to government and corporate policies for availability and security.
- Developed standardized image and associated software to achieve consistency.
- Proactively identified and resolved PC health and security issues.

Notable accomplishments include:

- Completed removal of Windows administrator privileges in half the projected time at 40% of budget.
- Designed and deployed Office 2010 migration from Office XP, and WinXP to Win7.
- Architected and implemented rapid rollout of laptop hard disk encryption to meet government mandates.
- Enabled and supported remote worker access using VPN.

Washington Savannah River Company, Aiken, SC

1985-2002

WSRC was a consortium consisting of URS Washington Division, Bechtel, CH2M Hill, and Energy Solutions for the \$8B contract to operate the Savannah River Site for the US Department of Energy from 1989-2009.

IT Architect – Future Technologies Evaluation and Enterprise Governance (1998-2002)

- Wrote major portions of the 5-year enterprise architecture and roadmap covering technology and governance.
- Implemented successful pilot projects in VPN and mobile workforce and wrote corporate telecommuter policy.
- Success in matching customer needs to standard technologies for improvements in interoperability.

Document Management Project Manager (1995-1998)

- Conducted needs analysis and ROI, wrote specifications, and managed the startup of \$1.5+ million enterprise document management system.
- Deployed document storage, conversion, routing, workflow, and electronic authorization.
- Featured in Information Week magazine recognizing innovation in corporate document management.
- Membership on industry councils in document management and CD-ROM.

Advanced Technology Architect (1985-1995)

- Managed \$1+ million technical procurement and startup of one of the first enterprise document imaging systems in the Federal Government.
- Coordinated and contributed to architecture and standards for multimedia and CD-ROM.
- Published numerous articles on the role of CD-ROM and multimedia in a business environment.
- Led the corporate effort in strategic principled-based policy and procedures and tactical technology pilots.

USCA, Aiken, SC

approx. 1992-1998

- Developed curriculum and taught classes in Computer Science, Math, Trig, and Introduction to PCs.

Education

MS, Systems Engineering, Clemson University, with high honors 1978

BS, Engineering Analysis, Clemson University, with honors 1977

Core Competencies

| Leadership, Innovation, and Influence | Problem Solving, Analytical Skills | Communications |
|---|--|---|
| Achieved teambuilding by soliciting thorough input, making confident decisions, and providing active monitoring and guidance. Corporate resource in numerous IT areas. Provided an increase in software updates despite 35% staff reduction through synergy of solutions and lower cost alternatives. | Received numerous incentive awards for innovation and solutions through analysis of existing conditions and implementing improvements. Designed a rigorous testing process to reduce errors significantly. | Winner of Westinghouse Worldwide Award for Service Excellence for Technical Communication. Excellent one-on-one and group verbal skills. Frequent presenter at corporate, Department of Energy, civic, and industry forums for professional information exchange. |

Technologies used or supported include:

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|--------------------------------|-----------------------------------|------------------------|--------------------------|---------------------------------|
| NESSUS/Tenable Security Center | Group Policy and Active Directory | Microsoft SCCM | McAfee EPO | Splunk |
| Powershell | Security Baselines | Ivanti/Shavlik | IronPort email filtering | RSA tokens |
| BitLocker | AD Account Setup | App packaging | VPN | Power Management |
| PolicyPak application GPO | Exchange Account Management | iPhone, Blackberry UEM | Websense Proxy and DLP | Ivanti/Lumension Device Control |

Other Significant Accomplishments

- Membership or chair of DOE and NIST committees on CD-ROM, portable document formats, information management, security, and desktop software.
- Aiken County School Volunteer of the Year Winner in 1999 for support of computer technology in the classroom and assistance in school district technology strategic plans.
- Led SRS document management project that was featured in 1996 Information Week magazine.
- 1993 winner of Westinghouse Award for Service Excellence for Technical Communication.

Relevant Publications, Presentations, and Papers

1. *The Four Books That Every Cyber Security Expert Should Read*, presented at the DOE Working Group for Cybersecurity, Washington SC, November 2024
2. *A NIST Cyber Framework for Everyone. Presenting CSF 2.0*, presented at the CyberSC Conference, Columbia SC, October 2024
3. *SRS Secure Desktop Project – Running Without Administrator Privileges*, presented at the DOE/OIT Conference, Knoxville, TN, August 2008
4. *Emerging Technologies and Their Impact on Records Management*, panelist, DOE Records Management Conference, Kansas City, MO, June 2000
5. *Strategies for PKI in a Federal Environment*, Entrust Conference, Orlando, July 1999
6. *A Single Path Towards Achieving Information Privacy and Record Authentication*, presented at Association for Image and Information Management, Atlanta, GA, April 1998
7. *Building a Foundation for Electronic Records*, AIIM '97, New York, April 1997.
8. *Cradle to Grave Document Management*, Documentum Worldwide Conference, Miami, 1996
9. *Directions in Encryption and Digital Signature*, presented at the 13th DOE/OIT Conference, Baltimore, MD, August 1996
10. *The Impact of the Internet on Electronic Publishing*, feature article in the SIGCAT DISCourse, June 1996
11. *Electronic Document Migration and Planning Issues: Principles - Based Document Management*, DOE/OSTI Inform Conference, Oak Ridge, TN, April, 1996.
12. *Soup to Nuts CD-ROM Creation: Hard Lessons Learned in Cross-Platform Development*, Cover Article for CD-ROM Professional Magazine, March 1994

And over a dozen other technical papers and presentations in document management and technology deployments 1990-1996. Numerous other papers and presentations in operations research, modeling and simulation prior to 1987.