

Professional Summary

Focused on consulting, engineering, implementation, integration, & management of complex & very large scale electronic security systems

Employment History & Experience

Assistant Director
Americas Workplace Technology
Ernst & Young
November 2005 - Present

- Very large scale implementation of a state of the art, Software House CCURE 800 security system across 100+ locations in five countries (and growing)
- Responsible for the original & on-going design engineering of head end servers (high availability & redundant), system architecture, & equipment standization
- Wrote CSI format specifications used during vendor RFP process & participated as a key member on the vendor selection team with responsibility for evaluating the bidders' technical capabilities
- Sourced ID badge supplier & setup internal purchasing system to facilitate easier procurement of badge & printer supplies
- Manage integrator & ID badge supplier relationships
- Review proposals for technical accuracy & pricing consistent with contract terms, & perform value engineering

- Developed, implemented, & enforce an effective CCURE 800 naming convention
- Developed & implemented a role based clearance strategy in CCURE 800; subsequently wrote a clearance configuration & assignment guidance document
- Setup a secure CCURE 800 user environment by creating role based Administration Privileges & Monitoring Privileges to enforce segregation of duties & restrict root ("manager" account) access
- Implemented CCURE 800 Enhanced Password Protection (EPP) to provide single sign on (SSO) functionality using Active Directory accounts; created requisite AD groups & setup directory security permissions
- Configured detailed Person Views & customized database fields to streamline security card administration processes & meet business objectives
- Created & maintain documentation including system architecture diagrams
- Established an iStar & apC (security panel) firmware standardization program; proficient using the iStar Configuration Utility (ICU) including remotely over networks without UDP enabled
- Developed a security asset management program

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- Regularly perform CCURE 800 database backups
- Install all CCURE 800 system upgrades, patches / hot fixes, & collaborate with IT during operating system patches
- Setup ODBC connections to access the CCURE 800 CF & Journal databases, & use Microsoft Access to import tables for troubleshooting & reporting purposes
- Regularly perform informal self audits of CCURE 800 programming, clearance assignments, & user permissions
- Participate in formal operational & information security audits of CCURE 800

- Setup a Terminal Services environment for the CCURE 800 client applications, including remote printing re-direction to streamline system management & reduce downtime
- Achieved a CCURE 800 system uptime in excess of 99.9% over the past two years
- Collaborated with IT to design & implement a SQL data warehouse, used for pulling data from CCURE 800 & feeding downstream systems
- Developed requirements & oversaw the creation of a custom web portal for reports to overcome the limitations of CCURE 800 (e.g. "who has access to this door" report, first badge in report, etc.)
- Using the SQL data warehouse, integrated with base building security systems (including turnstiles) using a variety of methods including Webdav & email
- Integrated CCURE 800 with PeopleSoft to automate creation of person records in CCURE 800, which reduced administrative burden & improved data accuracy
- Collaborated with IT & another product team to deliver relevant security data for integration with hoteling system; provides leadership with accurate space utilization data for real estate decision making & a positive ROI for security expenditures
- Developed a solution to integrate with an external office supply cabinet vendor, so that security cards can be used to retrieve office supplies from vending machines
- Work with IT to review code & troubleshoot SQL database & integration issues
- Worked with the vendor to deliver a first of its kind monitoring solution that feeds events from the CCURE 800 system to an external central monitoring station
- Program alarm panels remotely
- Setup standard call tree documentation & procedures
- Researched & selected CCTV solution; integrated CCTV with CCURE 800 NetVue
- Researched & implemented a solution for managing DVR's & UPS's remotely
- Regularly research new security system technologies & stay abreast of emerging technology (e.g. CCURE 9000, IP video, etc.)

- Provide initial training to security administrators both in person & through remote delivery; developed a Web Based Learning course for security administrators
- Participated in the development of access control guidelines & trained administrators on the finished guidelines
- Established & co-lead the security administrator knowledge network
- Successfully lobbied management to begin moving toward a more centralized administration model (still a work in progress); first step included a significant reduction in the total number of administrators

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- Provide dotted line guidance & over sight for security administrators & security project managers (these roles are not centralized); responsible for formal bi-annual reviews of security administrators & project managers
- Directly manage another security system engineer
- Work effectively in complex matrix & virtual team environment
- Participated in a six month job rotation with the internal Real Estate / Design & Construction team to understand their processes & develop solutions for better integration of security system implementation during Real Estate led projects; shared knowledge with architects & engineers to ensure security standards are consistently communicated & implemented during construction
- Have additional duties supporting Americas Records Management team
- Regularly take on additional, ad hoc, technology projects that are not security related

Senior Security Engineer

ISR Solutions

March 2004 - November 2005

- Majority of tenure was spent serving Ernst & Young
- Wrote the technical response to an RFP from Ernst & Young
- Assisted the account executive in the vendor interview process & successful win of the sole source bid for Ernst & Young's physical security systems
- Served as the lead engineer for Ernst & Young's enterprise wide CCURE 800 system
- Setup the original CCURE 800 head end for Ernst & Young
- Successfully closed out a large, mutli site project at the Fairfax County Water Authority that was inherited from another project manager over budget & over due; re-established client trust that utlimately led to being awarded additional work
- Successfully closed out a project for Network Solutions that was inherited from another project manager over budget; dealt with the architect & fire marshal to over come a design flaw that violated life safety code

Security Specialist

Gage-Babcock & Associates

September 2002 - March 2004

- Security engineering consultant with a protection engineering firm (fire & security)
- Primary responsibilities included writing performance based specifications, designing & creating CAD drawings of security systems
- Performed vulnerability assessments
- Wrote emergency preparedness plans
- Consulted on Crime Prevention Through Environmental Design (CPTED)
- Consulted on DoD Anti Terrorism / Force Protection (ATFP) criteria including stand off zones, blast mitigation, & bullet resistant construction
- Managed vendor selection & reviewed security integrator performance for clients
- Clients included: Northrup Grumman (at U.S. State Department HQ & U.S. Capitol Power Plant), The Smithsonian Institute (several museums), National Security Agency (NSA) classified site, Andrews Air Force Base (base entrance project), the Fairfax County Water Authority, Brooklyn Children's Museum (NY)

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Systems Engineer

CIS Security Systems

May 2001 - September 2002

- Assisted sales force with technical responses to RFP's
- Responsible for designing security systems & directing CAD department
- Designed multi server head ends & multi site systems, security control centers, & turnstile layouts
- Designed security systems for SCIF's for several classified clients
- Clients included: The Washington Post (HQ, Springfield plant & College Park Plant), Queens Center Mall (NY), U.S. INS HQ, Baltimore Ravens & Orioles stadiums, & several other commercial & sports venue customers
- Experience with Lenel, Checkpoint & Hirsch access control systems

Team Chief (Lead Technician)

Radian, Inc.

June 2000 - May 2001

- Led & managed a team of 20+ installation technicians
- Responsible for managing budget & schedule for successful project delivery
- Responsible for installing security systems in over one million square feet of space in the Pentagon (wedge one)
- Responsible for the Pentagon security control center build out
- Other sites included: Navy Annex, Pentagon Remote Delivery Facility (RDF), Pentagon Heliport Control Tower, & Saudi Arabian Embassy
- Experience with AMAG access control systems & Philips (Burle) CCTV systems

Avionics Technician (Specialist, E-4)

U.S. Army National Guard

1998 - 2006

- Valedictorian of my military aviation electronics class
- Qualified expert with M-16 rifle, 9 mm pistol, & grenades
- Was a member of the Tennessee & Washington D.C. National Guard
- Decorated for participation during 9-11 air ambulance rescue at the Pentagon
- Participated in the inaugural parade for President Bush in 2001

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Training, Certifications, & Professional Affiliations

Certified Protection Professional (CPP), March 2008
Software House CCURE 9000 system certification, August 2008 & February 2007
Software House CCURE 800 AAM / RepliStor certification, September 2006 & October 2004
American Dynamics Policy Manager certification, May 2006
American Dynamics Intellex & Network Client certification, March 2006
Certified Information Systems Security Professional (CISSP), December 2004
Software House CCURE 800 Advanced Integrator certification, September 2004
Microsoft Windows 2000 Professional & Server course, August 2004
Microsoft Windows 2000 Network & OS Essentials course, August 2004
Software House CCURE 800 iStar certification, July 2004
Software House CCURE 800 system certification, June 2004
Anderson Controls system training, November 2003
Vindicator systems certification, July 2003
Physical Security Professional (PSP), July 2003
Institute of Electrical & Electronics Engineers (IEEE), Associate Member 2003 - 2006
American Society for Industrial Security (ASIS), Member since October 2002
FCC General Radiotelephone Operators License, October 1999
U.S. Army Aviation Logistics School - Avionics Course (valedictorian), December 1999
Johnson City, TN Chamber of Commerce Leadership 2015, Graduate 1997

Other Skills

- Strong working knowledge of building codes as applied to security systems
- Proficient with AutoCAD, Visio, & all Microsoft Office applications
- Solid working knowledge of computer networking & programming concepts
- Although never held a position as a developer, can generally read & understand code for purposes of troubleshooting or ethical reverse engineering

Personal Interests

I design, build, & fly radio controlled aircraft. I enjoy photography & making aerial videos.