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CISO
Information Security & Cybersecurity
Risk Management Executive

Summary

- 15+ years experience *all in* Information Security/Cybersecurity/Risk Management, IT Audit and BCP leadership
- Managed **15 direct reports** and **60+ staff** via cross-company **matrixed security team**
- Industries - Financial Services, Healthcare, Telecommunications and US Government (DoD/NSA) with 10+ years of **International** experience
- Significant experience managing **data breaches** and system intrusions
- Direct interaction with executives, corporate boards, customers, and external auditors.
- Managed and defended dozens of IT system audits, including SSAE 16/ISAE 3402/SOC 1/SAS 70
- Managed 10+ Business Information Security Officers (BISO) and 10+ IT Security Engineers
- Strong leadership, consensus building, **InfoSec strategy/roadmaps/policy**, communication and negotiation skills
- Stable work history that includes product management, project management, systems engineering, system architecture, software development and technical consulting pre-sales experience
- Native English speaker
- *CISO, CISSP, CISM*, and *GIAC* certifiable

Objective

Seeking a new challenge in an executive/senior leadership position in Information Security (**Governance Risk and Compliance-GRC**, IT Risk Management, Cyber Security) that takes advantage of my technical background and broad management skills within an industry leading organization.

Professional Philosophy

1. *Secure Vs. Non-secure* - IT Security has never about *Secure VS. Non-secure* – but really about *Risk Management*
2. *Balance* – IT Security & risk must be balanced against broader considerations – such as system functionality, performance, compatibility, usability, cost and profitability
3. *Partnership* – Developing trusted relationships with key leaders in the business is critical to success
4. *Character* – Key characteristics: industry expertise, being open-minded, attention to detail and continual improvement that is professionally executed with high integrity

Professional Experience

2006-2017 Fidessa Corp, Regional Chief Information Security Officer & VP, New York, NY (FTSE 250)

- Responsible for all Information Security and related **compliance** for the Fidessa application infrastructure, web and office network infrastructure security, privacy, Business Continuity Planning, and internal/external audit for Fidessa Corporation
- **Manage 10+ Business information Security Officers (BISO) and 10+ IT security engineers matrixed staff** across the Americas while direct reporting to COO
- Sitting member of the **Governance, Risk Compliance (GRC)** committee. Fidessa provides an asset management **Cloud** connected to 200 trading venues globally that processes **\$20 Trillion** of transactions annually
- Major emphasize is on the protection of highly-sensitive customer real-time mission critical production trading infrastructure, networking and specialized applications
- Responsibilities includes:
 - creation & execution of company **security strategy & roadmap, creation of security policy**
 - security incident response, breach management, staff and program management, budget, supervision of internal/external IT audits, (ISO 27001/2, SSAE 16-SOC 1/SAS 70/ISAE 3402 and customer initiated)
 - legal and **regulatory compliance**
 - creation of a corporate-wide Business Continuity Plan (BCP), creation of employee security awareness training, and maintenance of company security policies
- Supported Sales teams in responding to customer security questionnaires and audits of company IT systems/processes
- Responsible for select audit and security projects globally with briefings to the corporate Board of Directors
- Member of the Senior Management Operations Team reporting to the COO and CEO. Invited speaker at the 2015 Data Breach Summit and SC Magazine Security conferences

Major Accomplishments:

- Created the **Information Security Strategy & Roadmap** with buy-in from senior executives and business managers
- Implemented data breach incident response and data encryption program
- Managed 11 SSAE 16 (SOC 1) audits in two countries without any audit exceptions over 4 straight years
- Establish internal **Information Security Compliance program per GRC**
- Successfully responded to dozens of Tier 1 client “Know Your Vendor”-KYV/Third-party (3rd party) audits and information security questionnaires
- Guided company successfully thru major Business Continuity Incidents (e.g., Hurricane Sandy) through execution of BCP without any serious impact to customers or the business operations, despite loss of main office facility for 3 weeks

2005-2006 Secure Systems Consulting, LLC, President, CEO - Independent Consultant to **Johnson & Johnson**, New Brunswick, NJ (Fortune 100)

Compliance Officer, Corporate Information Office.

- Responsible for managing 100+ application security audits to determine **compliance** with corporate security and privacy policies.
- Consulted with application development teams to advise on risk mitigation **strategy** and, if necessary, complete waiver approval process.

- Rewrote risk assessment questionnaire, auditing processes, and created detailed updates to corporate security policies.

2000-2005 Avaya (per **Lucent Technologies** Spin-off), Security Strategist, Holmdel, NJ (S&P 500)

- Responsible for the **information security strategy, roadmap** and application security architecture/features of applications & systems, for network and operating systems including those systems in development (pre-deployment) during the SDLC
- Managed a team of **15 direct reports and 60+ staff via cross-company matrixed security team** including InfoSec budget
- Division responsibility for audit **compliance** program, including responding to corporate IT audit group (e.g., SOX) and numerous customer IT audit questionnaires
- **GRC** responsibility includes successful resolution of external security audit findings reporting directly to Services VP for presentation to the audit committee of the company Board of Directors.
- Product Security & Directory Strategist, CTO Office, responsible for Security strategy/roadmap/architecture across all Avaya product lines, including: PBX, CRM, Messaging, VPN and Cajun data switches
- Managed a **60+ staff via cross-company matrixed security team** across all product development areas encompassing hundreds of separate products and offers.
- Significant team building and consensus generation among senior business leaders.

1998-2000 Lucent Technologies, Senior Consultant, Data Security, Network Professional Services, Warren, NJ (Fortune 500)

- Coordinated management of all aspects of pre-sale and post-sale delivery of data security consulting to the international service provider market. Including: customer interface, proposal response, presentation creation and delivery, negotiation and support of Lucent customer teams

1996-1998 AT&T WorldNet, Bridgewater, NJ (Fortune 50)

- Product Manager - Shared responsibility for nine-figure income stream, associated expenses and \$168M Network budget.
- WorldNet Security Manager - Planned and designed security for AT&T WorldNet Service, a leading Internet Service Provider (ISP) with 1+ million members.

1993-1995 AT&T Bell Labs, Lead Security Engineer, Holmdel, NJ

- US Government classified proposal
- Security Proposal Leader of 7-person team

Previous

- **AT&T Taiwan, Inc.**, Systems Engineer, Taipei, Taiwan
Lived on-site in Taipei for 6 months.
- **AT&T Bell Labs**, Systems Engineer, Whippany & Summit, NJ
Contributing architect of the **Strategic Defense Initiative (SDI)** Trusted Software Methodology.
Systems Engineer at UNIX System Laboratories
- **National Security Agency (NSA) - DoD National Security Agency**, Computer Scientist/Evaluation Team Leader, National Computer Security Center (NCSC), Fort George G. Meade, MD

Education

Stevens Institute of Technology, Hoboken, NJ
Master of Science, *Computer Science*, GPA 3.75/4.0

University at Albany – State University of New York, Albany, NY

Bachelor of Science, cum laude, Double major in *Computer Science* and *Business Administration*, Dean's List.

Publications – Technical Papers & Books

“Secure: Insight from People Who Keep Information Safe”, contributing author, Chapter titled: “Developing a Business Continuity Plan in a Mid-Sized Financial Services Firm”, Executive Alliance, 2010.

“Trade-Offs in Establishing a Software Process Security Standard”, Edward Amoroso and Howard Israel, International Invitational Developmental Assurance Workshop, Turf Valley Hotel & Country Club, Ellicott City, MD.

“Unified Password Generation”, Proceedings of the Third Annual Canadian Computer Security Symposium, The Canadian System Security Centre, Communications Security Establishment, Government of Canada, Ottawa, Canada.

“Computer Viruses: Myth or Reality?”, Proceedings of the 10th National Computer Security Conference, National Bureau of Standards/National Computer Security Center.

“Design of Originator Controls in a Computer System: a Trusted Discretionary Access Control Mechanism”, Proceedings of the Third Annual Symposium on Physical/Electronic Security, Philadelphia Chapter, Armed Forces Communications and Electronics Association.

Four Security reports issued by the Department of Defense, National Security Agency (NSA), DoD Computer Security Center, Fort Meade, Maryland:

Professional

Member:

- Executive Alliance - Security Leaders Summit
- NY Infragard – US FBI
- MetroSITE Group

NSA Continuity of Operations Symposium - Invited External Keynote speaker: ***Surviving Hurricane Sandy***
Regular speaker at Information Security professional conferences – e.g., 2008 SC World Congress at Jacob Javits Center, NY; Technology Managers Forum on Business Continuity; Executive Alliance 2010-2011.

Member of Program Review Committee for the *Technology Managers Forum: Security and Business Continuity* conferences, NYC, 2006 – Present

Baseline Magazine - Quoted in article for *Beware 2006: Exploits Increase, Impact Gets More Serious*, December 13, 2005

Middlesex County College Cybersecurity Program - Advisory Board Member

National Computer Security Conference and the Computer Security Applications Conference - member of Technical Review Committees

Acknowledged Book Reviewer for :

- “Cyber Attacks: Protecting National Infrastructure” by Edward Amoroso, Elsevier
- “Fundamentals of Computer Security Technology” by Edward Amoroso, Prentice-Hall

Soft Skills: Leadership, strategic planning, crisis management, strong communication (writing, presentation, & consensus building), negotiation, and staff management & budgeting.

Technical Skills

Security Strategy & Roadmap, Security Policy, Information Security, Cybersecurity, Network Security, Systems Security, Security Management, Internet Security, Security Program Development, Security/Risk Assessment of networks, hosts & applications (e.g., web servers, web-based applications), Operating System (OS) Security, Application Hardening, Security Awareness Training, Vulnerability Assessments, Secure Programming, Systems Analysis, System Design, System Architecture, Systems Development Life-cycle (SDLC), Orange Book/Common Criteria, Security Auditing, IT Auditing, Audit Trails, Security Information and Event management (SEIM), IT Risk Management, MAC, DAC, Identity & Access Management (IAM), Single Sign-on Authentication, Role Based Access Control (RBAC), Computer Incident Response Team (CIRT), Firewalls (LMF), Intrusion Detection Systems (IDS), Static code analysis for Secure Programming, UNIX Security, Shell, TCP/IP, H.323, VoIP, Managed Service Provider, ISO17799, COBIT, Secure Network Architecture, Cisco, IPSEC, SMTP, FTP, Information Assurance (IA), Designing and implementing security controls; Technical and operational risk management.

IT Compliance: Sarbanes-Oxley (SOX 404), HIPAA, Gramm Leach-Bliley (GLB), EU Privacy, FDA 21 CFR Part 11, etc. Encryption: DES, 3DES, AES, PKI/X.509, SSL, TLS, SSH VPN, MS Office

Miscellaneous

US Government Clearances (expired): Top Secret, SCI/Polygraph
Numerous achievement awards