



Michael V. Scovetta, CISSP

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EXPERIENCE

CBS Corporation **New York, NY**
Director, Advanced Technology **Aug 2011-Present**

- Investigated and prototyped leading-edge mobile and content-aware video solutions
- Designed and architected enterprise-wide single sign-on solution

CA Technologies (CA, Computer Associates) **Islandia, NY**
Senior Architect, IT Security **Oct 2008-Aug 2011**

- Co-led enterprise product mobile strategy working group
- Conceived, designed and developed mobile enterprise application platform (MEAP)
- Implemented enterprise-wide multifactor authentication solution (risk-based)
- Responsible for Security Architecture within the Enterprise Architecture group
- Member of the *Global Future Leaders Development Program* (leadership development for high-potentials)
- Served on the "Council for Technical Excellence" (technical thought leadership organization)
- Organized and led the development of a company-wide software security assurance program
- Guided the "Engineering Excellence" committee on implementation of software security assurance program
- Designed and presented an SSL certificate management solution to C-level executive management
- Led security architecture globally within CA's IT division, supporting 500,000 customers and employees
- Reviewed and re-architected CA's Identity & Access Management technology program
- Created the "Brown Bag Technical Sessions" program (internal "tech talks" and innovation farming)
- Represented CA at an industry review panel of NIST's "Supply Chain Risk Management" recommendation

Cigital, Inc. **New York, NY**
Senior Security Consultant **May 2008-Oct 2008**

- Led security assessments of high-profile web-applications
- Reverse engineered and wrote brute-force utility for full-disk encryption software
- Authored technical security standards for Java and .NET
- Maintained and released Yasca (open source static analysis tool) on SourceForge

UBS Financial Services, Inc. **Weehawken, NJ**
Associate Director, Information Security Analyst **Jun 2005-May 2008**

- Reported directly to the Chief Information Security Officer
- Conducted targeted, in-depth risk assessments against enterprise systems and processes
- Designed and developed static analysis tool (Yasca), leveraging FOSS components
- Taught "Lunch & Learn" events on various topics related to information and application security
- Evaluated commercial and FOSS black-box and static analysis security testing tools
- Conducted dozens of penetration tests against applications and hardware components
- Advised architects and project implementation teams on matters of software security and secure design
- Investigated security-related incidents (including forensics) and reported software vulnerabilities
- Authored two chapters of OWASP's "A Guide to Building Secure Web Applications and Web Services"

Computer Associates International, Inc. **Islandia, NY**
Senior Application Developer **Jun 2004-Jun 2005**

- Served as member of the Web-Services Expert Panel at J-Boss World 2005.
- Served as subject matter expert for secure software development
- Led the technical design of an enterprise-wide contract management system

Application Developer **Jun 2002-Jun 2004**

- Developed online payroll self-service application and compensation management system
- Improved popular open-source product "mod_jk2" for better performance
- Discovered and reported buffer-overflow condition within Cold Fusion Server

Intern / Event Coordinator **May 2000-Jun 2002**

- Created web-based front-end to Microsoft Visual SourceSafe
- Designed and developed cross-platform utility for system metric logging
- Conducted a usability study of an enterprise backup solution

EXPERIENCE (CONTINUED)

Cornell University

Ithaca, NY

Teaching Assistant

Jan 2001-Dec 2001

- Taught students weekly at supplementary section
- Conceived and implemented "Honors" section

TECHNICAL QUALIFICATIONS

Leadership Proficiency:

- Enterprise Architecture, Information Security, IT Risk Management
- Development and implementation of security policies, standards, best practices
- Security review and assessment (penetration testing, architectural analysis, code review)
- Supply chain risk management (vendor reviews, assessments)

Language/Technology Proficiency:

- C/C++, Cold Fusion, Cryptography, Java, JavaScript, HTML 5, HTTP, jQuery/jQuery Mobile, LDAP, .NET, Node.js, Perl, PHP, PKI, Python, Reverse Engineering, Ruby, SQL, TCP/IP, XML, x86 Assembly

Operating System Proficiency:

- MS-DOS, MS Windows, Linux/Unix (Fedora, Red Hat, SuSE, Ubuntu), Solaris, Mainframe (limited)

Application Proficiency:

- Apache Ant, Apache HTTP Server, Apache Tomcat, CA Directory, CA SiteMinder, Django, Drupal, Eclipse, Firefox Penetration Testing Tools, Fortify SCA, Metasploit, Nessus, Nmap, MS Visual Studio, MS SQL Server, MySQL, Nginx, OllyDbg/IDA, PostgreSQL, RadiantOne VDS, WebScarab, Wireshark, Yasca

EDUCATION

Cornell University

Ithaca, NY

Master of Engineering, Computer Science

Hofstra University

Hempstead, NY

Bachelor of Science, Computer Science and Mathematics

Cum Laude, High Honors in Computer Science, Mathematics

CERTIFICATIONS / AWARDS / MEMBERSHIPS

Certifications:

- Certified Information Systems Security Professional (CISSP) (#84370)
- Black Hat: Network Application Design & Secure Implementation
- ITIL v3 Foundation Certificate in IT Service Management

Professional:

- Open Web Application Security Project (OWASP), project leader (Yasca, Vulnerability Data Model Project)
- TechForum Security Forum 2011, speaker
- Information Security Executive of the Year - Tri-State 2006, nominee

Personal:

- American Mensa

PUBLICATIONS

- "Opportunities in Cloud Storage", Co-author, September 2010
- "OWASP: Secure Coding Practices: Quick Reference Guide", Contributor, September 2010
- "WebCalendar: Multiple Vulnerabilities", SCL-2010-001, January 2010
- "Yasca: Yet Another Source Code Analyzer", September 2008
- "OWASP: Guide to Building Secure Web Applications and Web Services", Co-author, July 2006
- "A Strategy for the Migration of Stored Hashes between Algorithms", December 2005
- "WebCalendar: SQL Injection from Encoded Cookie", CAN-2005-0474, February 2005
- "IDN Feature Workaround via proxy.pac", SCL-2005-002, February 2005
- "Secure Redirection-Based Authentication", January 2004
- "Spoofing Redirection-Based Authentication Methods", November 2003
- "Image Stabilization and Related Work", Cornell University, December 2001
- "Predictability in Financial Markets", Hofstra University, December 2000