

Daniel Owens
Owner / Chief Security Engineer

Founder Daniel Owens is a uniquely qualified software security engineer specializing in Application Security, Digital Forensics, Network Security and Software Penetration Testing. A respected leader and pioneer in his field, Daniel is often requested to serve as a senior digital security consultant and project manager for the Federal Bureau of Investigation, Department of Homeland Security, Department of Defense, NASA and other sensitive government and corporate clients. Over the course of his career, Daniel has been principle manager for United States government IT Security contracts worth over \$75 million per year.

SOFTWARE/NETWORK SECURITY

- Successfully developed, engineered and implemented Network Segmentation Security for a Fortune 100 corporation – the first true, practical network enclave approach to IT security undertaken by a large company.
- Saved a client \$3.9 million and embarrassment by discovering and correcting flaws in websites, applications and network designs.
- Saved NASA \$2.3 million by helping them procure security technology that met federal requirements instead of the originally proposed equipment that did not.
- Leader in flaw detection and remediation. Reengineered and corrected flaws in corporate-developed systems for key clients.
- Provided IT security metrics across NASA Headquarters and the United States Congress
- Requested by the FBI and DHS as leading consultant for data recovery and investigative forensics.
- First to defeat numerous encryption algorithms used by popular software including PHPForms and Piwik
- Conceived, developed and perfected many of the techniques that have since become best practice in IT Security, Application Security and Incident Response
- Created multiple networks from scratch, complete with CISCO routers and switches, servers and clients in both homogeneous and mixed environments.

POLICY, PROCEDURES AND COMPLIANCE

- Implemented (and improved) client compliance with NIST SP 800-53, PCI and HIPPA.
- Engineered standard DoD and NASA network security requirements
- Authored IT Security policies, procedures, treatises and training materials for government and corporate clients. Author and reviewer of NIST (National Institute of Standards and Technology – US Department of Commerce) IT Security publications, as well as several intrusion detection and prevention manuals.

LEADERSHIP

- Has served in the following roles: Chief Technology Officer, Chief Information Security Officer, Senior Developer, Information Security Officer, Senior Consultant, Lead Quality Assurance Expert and Security Auditor for multi-million dollar projects
- Developed and led penetration testing, auditing and remediation programs
- Trained US Government system administrators how to detect foreign probes and compromises

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FORMAL EDUCATION

B.S., Computer Science	Colorado State University	Ft. Collins, Colorado	May, 2007
M.S., Computer Science	Colorado State University	Ft. Collins, Colorado	20/40 Credits (3.73 GPA)

PROFESSIONAL CERTIFICATIONS

- Certified Secure Software Lifecycle Professional (CSSLP)
- Certified Information Systems Security Professional (CISSP)
- GIAC Computer Network Security Awareness (SSP-CNSA)
- GIAC Stay Sharp: Defeating Rogue Access Points (SSP-DRAP)
- Computer Systems and Security Certificate (Colorado State University)
- Host-Based Security System (HBSS) Certified Administrator – McAfee
- Cisco Certified Network Associate 1 (CCNA 1)
- Cisco Certified Network Associate 2 (CCNA 2)

OPERATING SYSTEM PROFICIENCIES

- Windows NT 4.x/5.x/6.x/7.x, Windows (all versions), Mac OS X (all versions), Cisco IOS, Cisco CatOS, Integrity RTOS, Nemesis, Linux/Unix, Alcatel Operating System, Junos

SOFTWARE SKILLS AND PROFICIENCIES

- MIPS, x86 assembly language, HIDE, FORTRAN77, Prolog, Pascal, C, C++, D, Java, C#, J#, Fortran, Visual Basic, Visual C++, Python, Perl, PHP, ASP, ColdFusion, Javascript, ActiveScript, Flex, XHTML, XML, Alloy, Z, InstallShield, Dev-C++, gcc, g++, gdc, Visual Studio Professional 2008/2010, Eclipse, NetBeans, Dreamweaver, Flash Professional, Microsoft SQL, MYSQL, DB2, Oracle, MaxDB, Serv-U, JRun, Coldfusion, Tomcat, Apache, IIS, CVS, SVN, BackTrack, *NIX, Windows NT 4.x/5.x/6.x, Windows 9x, Macintosh OS 10.x, Integrity RTOS, QNX RTOS, Cisco IOS, Cisco CATOS, JunOS, Alcatel Operating System (AOS), LaTeX, Microsoft Office 97/XP/2003/2007/2010, VMware, VirtualPC, Iris, Wireshark, windump, tcpdump, Saint, Nessus, Retina, Foundstone, GFI LANGuard, DISA SRRs, DISA Gold Disk, SCAP, nikto, Nmap, dd, ddd, Valgrind, memprof, ANTS Memory Profiler, ApplicationManager, Debug Tray, Memprofiler, 010 editor, D-ITG, hping, PacketExcalibur, Nemesis, GASP, Gspoofer, RecStudio 2, gdb, gdb-d, Oly Debug, IDA Pro, SWFDecompiler, Cavaj, Resource Hacker, Resource Tuner, XN Resource Editor, bed, bunny the fuzzer, winfuzz, Jbrofuzz, fuzz, pyfuzz, fuzzer.pl, powerfuzzer, Marathon Tool, sqlninja, sqlmap, SQL Inject Me, Access Me, XSS Me, SSW Code Auditor, FXCop, CAT.NET, FlawFinder, RATS, pixy, Spike.PHP, PMD, Fortify SCA, AppScan, AppDetectivePro, Hailstorm, Fortify Monitor, Fortify Defender, GESWall IPS, ePolicy Orchestrator, Host-Based Security System (HBSS), Cisco PIX 5/6, Juniper Netscreen 5/20, ISS BlackICE, ISS RealSecure 6/7, snort, IP-Tools, Cain&Abel, Undelete, testdisk, photorec, l0pht Crack, aircrack, winrtgen, macmakeup, sinfp, sterm, netcat, win arp spoof, macchanger, dumpsec, CredDump, samdump2, kismet, hydra, xhydra, medusa