

## SVEN E. SKOOG

4 Dalton Road  
Chelmsford, Massachusetts 01824  
781.258.1159 [sskoog@gmail.com](mailto:sskoog@gmail.com)

<b>SUMMARY</b>	Tenured security technologist/thought-leader, possessing both hands-on engineering and strategic/advisory skills, seeking to fuse client-facing contribution(s) with internal innovation.
<b>STATURE</b>	(2018 – 2024) <b>US Dept of Defense TOP SECRET Clearance</b> (2020 – 2022) <b>US Dept of Defense TOP SECRET/SCI Clearance w. DHS CISA Reciprocity</b> (2011) <b>ISC<sup>2</sup> Certified Information Systems Security Professional (CISSP) #397461</b> (2009) <b>BABSON COLLEGE</b> (Wellesley, MA) – <b>Master of Business Administration</b> (2000) <b>BOSTON UNIVERSITY</b> (Boston, MA) – <b>Master of Science</b> – Computer Science (1996) <b>UNIVERSITY OF MASSACHUSETTS</b> (Amherst) – <b>Bachelor of</b> (Computer) <b>Science</b>
<b>SKILLSET</b>	Biometric/Multi-Factor/VPN Authentication; Cloud Compliance and Multi-Tenancy; FedRAMP/FISMA/HIPAA Security Controls; Mission Assurance and Resilience-under-Attack; Network Vuln-Assessment; PCI-DSS Compliance; Physical and Supply-Chain Security; Privacy Safeguards; Risk Analysis, Mitigation, Presentation to Board/C-Level/Flag Audiences
<b>SERVICE</b>	(2023 – ) <b>RAYTHEON – AN RTX COMPANY</b> (Tewksbury, Massachusetts) <b>Senior Principal, Cybersecurity and Anti-Tamper</b>  Architectural design, requirements validation, and software/subcontractor liaison for weapon-system hardening, tamper-proofing, and cryptographic protections. Focus areas include trusted attestation, behavioral monitoring, and cyber-kinetic fusion, incl. “if-X-then-Y” attack tree modeling.  (2018 – 2023), (2001 – 2010) <b>MITRE CORPORATION</b> (Bedford, Massachusetts) <b>Principal, Cybersecurity and Resilience</b>  Security/engineering advisor and cyber-resilience architect to US Homeland Security (Biometric Identity, Critical Cyber Infrastructure, Secure Cloud), US CENTCOM (Egypt/Saudi), US NORTHCOM (Mexico), US STRATCOM (nuclear), US Treasury (tax) directorates. Technical leadership (architectural design, integration, source-selection eval) over a \$4.7T bank cloud migration, \$4.3B biometric port-of-entry system, and \$250M secure (802.11i) military-base wireless network. Vulnerability-assessor for DoD/DoE/Dol/HHS/USFJ infrastructures. Contributor to US govt NIST 800-171 and Exec Order 14028 cybersecurity publications. Engineering manager over ten staffers and \$1.5M annual budget. Cloud-security futurist to US Federal Reserve.  (2017 – 2018) <b>MUTUALINK</b> (Westford, Massachusetts) <b>Chief Information Security Officer</b>  Defensive design, requirements engineering, and risk-mitigation over EoIP converged voice/video (WebRTC) first-responder comms. Protective guidance spanning app-development (OWASP), network-server (AlienVault, CIS/DISA benchmarks, Imperva WAF, Nessus), and cryptographic tiers. Engineering management and custody over a 150-node (Amazon) enclave and \$1.2M annual budget. FISMA certification for DHS FEMA customer.

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**SERVICE**  
(cont.)

(2015 – 2017) **MONOTYPE IMAGING** (Woburn, Massachusetts)  
**Information Security Officer**

Continuous assessment (audit/scan), policy adjudication, risk-mitigation, and ground-up (re)deployment of 2000-node corporate and (Amazon) cloud infrastructures. Protective implementations spanning application-software (OWASP), disaster-recovery (Zerto), network (layer-7 filtration), server (CIS build standards) and operational/end-user tiers. Legal and regulatory inputs concerning data logging/retention, incident response, US/EU data custody.

(2014 – 2016) **ALLIED MINDS VENTURE CAPITAL** (Boston, Massachusetts)  
**Principal Consulting Technologist – Part-Time**

Candidate dissection, evaluation, and strategic recommendations concerning next-generation cyber defensive offerings for Series A investment, incl. dynamic DNS interception (STRONGARM), realtime TCP/IP redirection, and upstream counterattack.

(2010 – 2014) **IBM CORPORATION** (Waltham, Massachusetts)  
**Chief Architect, Cybersecurity & Privacy – US Federal Sector**

Defensive design, innovation, risk-mitigation at multiple tiers (application, data, network, server, storage, end-user) for GSA, NSF, Peace Corps, USAF, US Intelligence Community, US Navy, and Veterans Affairs systems. Physical security and supply-chain investigations concerning Hasbro toy/film/image leaks to public. Comprehensive security-program definition, overhaul, and assessment (incl. forensic reconstruction, on-site audits, privacy validation) for 8x8 VoIP provider, ADP medical/payroll processor, American Well healthcare, Newport News (nuclear) shipyard, ProQuest online publisher. Bid/pursuit and sales-engineering contributions yielding \$99M (federal/military) and \$1.4M (commercial) new signings over a four-year period.

(1999 – 2001) **NAVISITE INC – A CMGi COMPANY** (Andover, Massachusetts)  
**E-Commerce Architect – Ancestry.com, National Westminster Bank**

(1996 – 1998) **MIT LINCOLN LABORATORY** (Lexington, Massachusetts)  
**Assistant Technical Staff – Group 93 (Long Range Imaging Radar)**

**SYMPOSIA**

(2020 – 2023) **WENTWORTH INSTITUTE OF TECHNOLOGY** (Boston, Massachusetts)  
**Adjunct Faculty, Cyber Law and Policy**

(2000 – 2004) **BOSTON UNIVERSITY** (Boston, Massachusetts)  
**Adjunct Faculty, Computational Theory and Discrete Mathematics**

(2021) [Federal Cybersecurity and Vulnerability-Response Playbook](#) (DHS CISA 508)

(2020) [Protecting Controlled Unclassified Information](#) (NIST 800-171)

(2016) [Amazon Re/Invent Seminar SAC321, 'Surviving the Breach'](#) (YouTube video)