



JOHN H. HORST, CISSP®-ISSAP®



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CURRICULUM VITAE

Current Information System Security Officer (ISSO) providing security engineering compliance consultation to the U.S. Department of War. Experience with major cybersecurity standards (e.g., National Institute of Standards and Technology, ISSO 27001, CIS). 28 years' experience in software development, secure software architectures and coding, systems integration and testing, and user support. Experience evaluating emerging Artificial Intelligence technologies and compliance frameworks. Substantial expert witness case history across State (including Family Court) and Federal jurisdictions. Active speaker. Certified Information Security Systems Professional. Top Secret National Security Clearance. Patent-Holder.

Current Position:

Owner and Chief Technology Officer
Xanesti Technology Services, LLC
Seymour, TN

Information System Security Officer (ISSO), U.S. Department of War – Human Resources Activity (February 2019 to Present, San Diego, CA & Seymour, TN)

- Subcontracting under prime contract holder for cybersecurity portfolio.
- Shepherded approximately 10 distinct information systems through the Department's NIST 800-53 based Risk Management Framework process, concluding with an grants/extensions of Authorization to Operate (ATO) and Interim Authority to Test (IATT).



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- Regularly consult with U.S. Government leadership to ensure compliance requirements are communicated accurately to prime and subcontractor stakeholders across the enterprise.
- Regularly consult with systems engineers to ensure proper understanding of compliance requirements, including necessary work product needed for successful audits.
- Develop data analysis tools for cybersecurity risk assessment and response.

Professional Experience:

Cybersecurity Engineer V, VSolvit, LLC (November 2018 to February 2019, San Diego, CA)

- Provided security engineering code review and recommendations to the software engineering team to ensure secure coding requirements were met on a U.S. Navy Program of Record.

Information System Security Manager (ISSM), Engility Corporation (now SAIC) (November 2017 to November 2018, San Diego, CA)

- Led a cross-discipline technical team in maintaining the cybersecurity compliance of a Department of War tactical situational awareness forward-deployed systems.
- Minimized business disruptions across the enterprise by chairing weekly cybersecurity stakeholders meeting.

Senior Software Developer, Security Analyst V, MI Technical Solutions, Inc. (July 2008 to September 2017, San Diego, CA)

- Served as lead developer for surface preservation quality assurance documentation system.
- Provided installation, training, and support across the Pacific Fleet for U.S. Navy maintenance Program of Record.
- Provided security engineering code review and recommendations to the software engineering team.

Development Manager, InnovaSystems, LLC (June 2005 to July 2008, San Diego, CA)

- Served as lead developer for ship-to-shore readiness messaging web services enabled system deployed to all U.S. Navy ships.
- Contributed to the development of the Defense Readiness Reporting System – Navy (DRRS-N) “Personnel Figure of Merit” readiness metric data collection and analysis.



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Contracted Software Engineer, Multiple Placement Agencies (March 2000 to June 2005).

- Supported software development for the following lines of business
 - Purchasing and fulfillment warehouse IT system (UCSD, San Diego, CA)
 - Land management and development (Newland Communities, San Diego, CA)
 - Corporate Intranet resources (Maxim Pharmaceuticals, San Diego, CA)
 - Automated mortgage application FAX-to-Mainframe system (Digital Documents/Greenpoint Credit, San Diego CA)
 - Apartment/Condo complex utility billing (Viterra Energy Services, San Diego, CA)
 - General Liability Insurance – online policy binding (Golden Eagle Insurance, San Diego CA)

Software Engineer, Prometheus Labs (January 1999 – March 2000, San Diego, CA)

- Architected and wrote the first version of the company's clinical laboratory operating system.
- Laid underlying database foundations for online patient/doctor system for test ordering and reporting.

Database Engineer, Medaphis Physician Services (August 1997 – December 1998, San Diego, CA)

- Incorporated clinical practice and medical billing data sources for anesthesia practice management compensation model.

Database Engineer, Rhino Linings Corporation (October 1996 – July 1997, San Diego, CA)

- Created marketing lead analysis database resources for marketing department.
- Provided general information technology support for technical department.

U.S. Patent #11,599,620: Securing Access to Group Accounts on a Computer System

This patent claims a novel method and process to allow always-on 24/7/365 mission critical systems to be initiated under a single “group account” but operated in “authorized” mode when the operator enters and validates their individual identification card. It allows operators to rotate in and out without requiring the underlying operating system to change its group account security context or otherwise requiring a reboot or restart of tactical applications. The novel approach allows for “non-repudiation” of



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system activity, bringing the system into compliance with several NIST cybersecurity requirements.

Certifications & Clearances:

Active U.S. National Security Clearance: Top Secret

Certified Information Security Systems Professional (CISSP®) since August 2011 (ID/Exam #398094). This is an internationally recognized certification from (ISC)² of expert-level competency across a wide scope of the field of information technology, including matters pertaining to legal and regulatory compliance.

Information Security Software Architectures (ISSAP®). After obtaining the CISSP® certification, a member of ISC2 may elect to be examined in various focus areas. The ISSAP® exam/certification indicates an expert-level command of secure software architectures and best practices for writing code.

Teaching Positions:

(April 2004 – December 2009) – Adjunct Faculty in Information Technology, Philosophy, and Religion. University of Phoenix, San Diego, CA Campus

(February 2005 – October 2005) – Adjunct Faculty in Information Technology, Coleman University, San Diego CA

Public Positions:

(2013 – 2015) – Treasurer, San Diego, CA Chapter of (ISC)²

(2014 – 2017) – Chairman, Mira Mesa Community Planning Group, San Diego, CA

(2009 – 2017) – Secretary, Mira Mesa Community Planning Group, San Diego, CA

Education:

(2008) Master of Divinity (M.Div.), Bethel University, St. Paul, MN & San Diego, CA

(1994) Master of Arts, Theology, Asia Pacific Theological Seminary, Baguio City, Philippines