

# KHÜRT WILLIAMS

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11 Garfield Way  
Princeton, NJ 08540-1669

609 865 3380

khurt@islandinthenet.com

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## Information Security Professional

CISSP, CRISC, ITIL

Security Architecture | Log Management | Vulnerability Management

Extensive experience in applying information security concepts, principles and technical capabilities to develop strategies that mitigate risks and assure adherence to industry, government and company-specific security policies, procedure and standards. Recognized for success and innovation in systems development, process improvement and problem solving for systems security. Knowledge of ISO/IEC 27001, CIS, NIST CSF, and PCI DSS or similar documents with experience mapping these to security controls.

## Professional Experience

**CLS BANK**

**2018 – Present**

### *Information Security Architect (Consultant)*

Collaborated with Project Managers, IT Engineering, Enterprise Architecture, and IT Governance Risk and Compliance, in the development and design of security controls to meet CLS internal and federal regulatory requirements for on-premise and cloud-based solutions. Identified security design gaps in existing architectures and recommend changes or enhancements. Conducted technical reviews of new and existing systems and applications in order to identify appropriate mitigation strategies required to bring these systems into compliance.

- Assessed security risks associated with Software-as-a-Service (SaaS) providers and recommending requisite controls and guidance to meet the risk tolerance of the business.
- Defined security guidelines for the appropriate configuration and implementation of security controls native to these various platforms

**ADMINISTRATIVE OFFICE OF THE COURTS, STATE OF NEW JERSEY**

**2013 – 2018**

### *Information Security Architect (Consultant)*

Collaborated with Project Managers, IT Engineering, and IT Security in the development and design of security best practices and implementation of solid security principles and controls, to meet Payment Card Industry Data Security Standard (PCI DSS) requirements.

- Managed yearly PCI DSS compliance projects for State of New Jersey Courts cardholder data environment.
- Designed security systems and control for a four application production cardholder data environment (CDE) with to meet PCI DSS requirements; assisted with the design, development, and implementation of security controls and standards for new and existing systems.

- Aligned standards (CIS), frameworks (NIST CSF) and security with overall business and technology strategy.
- Developed data flow diagrams for applications and systems scope of CDE.
- Designed security architecture elements to mitigate threats to CDE.
- Created solutions that balanced organizational requirements with PCI DSS security requirements
- Identified security design gaps in existing architectures and recommend changes or enhancements
- Trained IT Security staff in implementation of PCI DSS requirements.
- Reviewed vulnerability and application scan results and worked with system administrators and application technical lead to remediate issues.
- Collaborated with the Incident Management, Vulnerability and Log Management teams in monitoring compliance to secure baseline configurations of workstations, servers.
- Collaborated in the development of the Information Technology Office's System Development Life Cycle
- Provided ongoing gap analysis of current policies, practices, standards and procedures as they relate to established guidelines outlined by NIST CSF, CIS Benchmarks and PCI DSS
- Conducted technical reviews of new and existing systems in order to identify appropriate mitigation strategies required to bring these systems into compliance with established policy and PCI DSS requirements.
- Participated in risk assessments of Judiciary systems.
- Environment included Tenable Nessus, IBM AIX, IBM WebSphere, IBM z/OS, IBM Qradar, Gemalto DataSecure, Barracuda

### **BRISTOL-MYERS SQUIBB 2003 – 2013**

#### ***Senior Advisor/Analyst, Information Security Services (2003 – 2013)***

Collected and analyzed web gateway and network security logs and created usage metrics. Collected and analyzed network firewall, RADIUS and VPN logs for use by electronic legal discovery team. Developed and implemented security strategy, architecture, process and policy, and reporting to manage security risks associated with employee access to the Internet. Served as advisor to Network Security and Security Awareness programs. Researched, designed, recommended and implemented security monitoring of information assets. Performed security assessments to determine vulnerabilities in systems and applications. Identified and communicated potential threats to information assets to executive management. Configured security systems to meet security architecture requirements. Researched, developed and documented security architecture requirements. Evaluated and provided recommendations on emerging and available Information Security technologies, products, and services.

Created and verified compliance with information security policies, procedures and configuration standards for AS400, UNIX/Linux, Windows, Active Directory, Novell Directory, Oracle, Sybase, and SQL Server assets. Monitored high-level security access in production (SAP) data processing environments. Provided vulnerability assessment advisories to Cyber Security Vulnerability Assessment Team (CS-VAT) on critical and zero-day vulnerabilities with potential to affect global operations. Assessed risk and implementing enterprise information security standards, processes and policies in coordination with Information Technology internal and external audit teams to comply with internal and state and federal regulatory requirements, and with enterprise information technology and security policies to meet the business and information management needs of the company. Develop and maintain security policies, standards and procedures to protect information assets. Identified and recommend corrective actions in response to Security policy violations.

- Completed yearly review of all compliance documents.
- Successfully completed yearly disaster recovery exercises
- Developed and implemented a process for reporting on monthly and quarterly web usage, including trend analysis that is reported in Platform Compliance monthly metrics.
- Developed and implemented an enhanced 4 tier Internet web filtering architecture (web proxy filtering agent, admin server, reporting server, admin console), that enhanced architecture and improved performance and scalability to accommodate growth and centralized administration.
- Developed web applications for Role Access and Modification, Security Web Category Compliance, Manager/Contractor Review Metrics, Manager/Employee Review Metrics, and Business

#### Partner Request Metrics.

- Implemented Power Broker role request application enhancements.
- Researched industry standards, arranged vendor meetings and developed a criteria matrix testing and selection of Internet Web Gateway and filtering solution.
- Streamlined and made a more robust process for reviewing site unblock requests, that simplified maintenance of the custom site list and ensured a timely, thorough review of web site URLs.
- Architected, installed and configured a Secure Computing Webwasher web gateway solution that was successfully deployed in Europe.
- Implemented a reporting platform for Internet usage that was used to support electronic legal discovery and digital forensic team activities.
- Collaborated with peers on a Digital Rights Management position paper for senior management.
- Collaborated with peers on a white paper and advisory on Advanced Persistent Threat and on a position paper on Cloud Computing for senior management to develop a strategy and formal service framework for network security.
- Participated in key strategic decisions for Data Leakage Prevention, Cloud Computing security and Enterprise Digital Rights Management.
- Collaborated with the internal network, identity and access engineering and outsourced network teams to develop a strategy for authenticated access to the web via web gateway security appliance to provide better management of policy exemptions, authorized access to restricted categories, and enhanced digital forensics and reporting.
- Developed web application for compliance reporting on external partner network connections, UNIX account management, and identity management.
- Managed a program to monitor vendor compliance with information security and audit policies regarding privileged SAP accounts.

#### **WILLIAMS INTERACTIVE, INC.**

**2000 - 2003**

##### *Information Technology Consultant*

Provided web application development, custom software development, and system integrations services to pharmaceutical and financial services firms in the Princeton, NJ area. Clients included Bristol-Myers Squibb, Merrill Lynch, Prudential Securities, State Street Bank, and Okidata Business Digital (now Crestec Digital).

#### **THE COMPUTER MERCHANT**

**1998 – 1999**

##### *Senior Web Developer/Consultant*

Responsible for site refresh of jnj.com, the corporate website for Johnson & Johnson.

- Developed "highlights" of the day feature to improve information delivery to customers.
- Developed electronic resume submission and job search function to the website allowing for faster turnaround time to respond to candidates.
- Revamped code in custom web-based content management system to eliminate bugs and improve performance.
- Migrated content management backend from a flat file system to MySQL database, allowing for more robust site development, version control, and instant site updates.

#### **BLOOMBERG LP**

**1997 – 1998**

##### *Web Developer*

Member of a team of developers and designers that developed features for Bloomberg.com.

- Developed Perl modules and HTML widgets for Bloomberg.com - energy, stock ticker, market indices ticker.
- Created a template-based website development framework that reduced development time allowing Bloomberg.com business to rapidly syndicate various site elements to other web publishing entities.

#### **SARNOFF CORPORATION/SRI INTERNATIONAL**

**1995 – 1997**

##### *Associate, Member of Technical Staff*

Contributed to the creation and development of very low bit rate video encoding technologies for

videophone and MPEG-4 applications.

**EDS**

**1994 - 1995**

***Business Associate***

Software developer for General Motors Powertrain diagnostics.

## **Education**

**MS, Electrical Engineering: Systems**, University of Michigan Rackham Graduate School, Ann Arbor, MI (1994)

**B.Eng., Electrical Engineering**, Georgia Institute of Technology, Atlanta, GA (1991)

**BA, Physics**, Drew University, Madison, NJ (1990)

## **Technical Skills**

Open Source Software; UNIX and Linux shell; Perl; PHP; Apache; MySQL;  
JavaScript; HTML; Webwasher; Nessus; NMAP