

Cory D. Hamma, CISSP, GCFA, MCITP

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Summary of Qualifications

Board Experience

- Joined ISACA Sacramento board in October 2018 as Communications Director
- Participated in monthly board meetings with excellent attendance
- Facilitated move to new web platform and redesigned the chapter web site
- Enhanced communications with members by adding social media
- Developed and trained participants in the use of virtual seminars after COVID-19
- Developed, coordinated and participated in panel presentation on Information Technology Fraud

Project Coordination / Documentation / Management experience:

- Information security risk auditing, analysis, and documentation.
- Incident Response triage and investigations.
- IT Project strategic discovery, acquiring shareholder buy-in, management, and continued maintenance.
- Project prioritization, in congruence with business needs and strategic vision.
- Research, recommendation, purchasing and implementation of new technology.
- Employee-level Standards and Procedures development and documentation as related to information security risk.

Information Security management experience:

- Established HITRUST and NIST CSF-backed information security policies, drafted and conducted information security training sessions, and managed information security breach reporting for the Cancer Registry of Greater California.
- Worked closely with developers, IT staff members, and the Information Security Officer to secure patient data at the California Cancer Registry.
- Conducted numerous on-site information security evaluations at Calforensics using NIST SP 800-30, NIST CSF, ISO 27001 and ISO 27005 as a basis, including full report drafting and high-level overview with executive management.
- Responded to suspected information security breaches for the University of California and other businesses, including full reporting of each incident.

Hardware experience:

- Wireless network topology
- Redundant Internet Connection implementation
- Redundant Enterprise Data Center design.
- Networking equipment: Cisco/Juniper/Sonicwall/Meraki switches, routers, firewalls, IDS/IPS, and load balancers.
- Security equipment: Honeywell alarm and access control systems
- Surveillance equipment: IP-based video surveillance systems, including Axis and Video Insight/Panasonic.

Association Membership

Communications Director

October 2018 – Present

Information Systems Audit and Control Association ("ISACA") Sacramento Chapter

Professional Experience

Blue Shield of California *Information Security Architect*

El Dorado Hills, CA
August 2020-Present

ArcherHall (formerly Capitol Digital & Califorensics) *Practice Leader*

Sacramento, CA
2019 – August 2020

- Communicate risk assessments and options with Privacy / Legal Risk departments to enable secure and successful project roll-out.
- Identify and review software and service risk levels, including review of information security portions of contracts.
- Advise CEO, VP, and Director-level staff regarding calculated risk levels and mitigation cost/benefit analyses, including security analyses of cloud migration for internal applications.
- Design enterprise-wide solutions to a paperless office.
- Train and mentor incoming digital forensics staff.
- Design interfaces for EMR software products for the purposes of data capture and analytics.
- Evaluate potential new software, services, and hardware for security threats using NIST RMF and FAIR.
- Educate staff and clients regarding safe handling practices of electronic medical record data and personally identifiable information.
- Research and evaluate new methods of patient data de-identification, including k-anonymization and l-diversity.
- Perform statistical analysis and draft reports regarding automated patient data de-identification risk factors and mitigation options.
- Develop automated data de-identification verification scripts and software, quality control procedures, and operation-level training.
- Design and direct development of software to interface with EMR (and non-medical) system APIs and perform data transformation.
- Develop and maintain security architecture documentation.

Director of Digital Forensics

2018 - 2019

- Provided CIO/CISO consulting services to several mid-size law firms, including roll-out of changes to implement information security recommendations, specification and development oversight of a witness database and reporting software solution, and implementation of a comprehensive document management and search solution.
- Drafted client information security audit documentation, including full framework for auditing large college campus information security, based on NIST SP 800-30, NIST CSF, ISO 27001 and ISO 27005.
- Conducted and directed on-site information security audits in response to information breaches, utilizing frameworks developed.
- Provided supervision and execution of digital forensics and incident response cases, including mentoring of employees in advanced data manipulation and complex data collection procedures.

Network Security Architect

2015-2018

- Developed processes and software to perform validation of de-identification procedures based on the HIPAA Safe Harbor and Expert Determination methods, to meet hybrid requirements placed by a large-scale research hospital.
- Developed processes to track case status and deliverables by utilizing project management experience and tools.
- Provided case-building consulting services for new cases and clients, explaining the relevant opportunities for forensic assistance in terms familiar to attorneys.
- Authored and conducted Continuing Legal Education (CLE) certified lectures in electronic discovery to bar associations and large firms.
- Analyzed electronic medical record data from a variety of systems for legal cases, resulting in favorable settlements for all cases.

- Led successful investigations involving theft of Intellectual Property, Electronic Medical Records, Digital Forensics, and Data Recovery.
- Developed software to extract archived emails from a failing email archive system, converting data from a proprietary format into an industry-standard email format for analysis and searching.
- Authored and conducted lectures in the importance of data security, valuation of security countermeasures, benefits of a forensic response, and the use of policies and technology to increase worker productivity.

Public Health Institute: Cancer Registry of Greater California

Sacramento, CA

IT / Security Director

Dec 2010 – Mar 2016

- Managed a team of IT professionals to support local and remote employees, as well as securing and maintaining information systems supporting patient data collection and analysis for all cancer patients within the state of California.
- Performed project management duties for a variety of simultaneous IT and security projects.
- Designed security architecture in accordance with organizational strategies to ensure compliance with the HIPAA Security Rule, NIST guidelines and other best practices.
- Provided a primary point of contact for security-related issues and problem solving within the organization and with external collaborators.
- Designed and presented customized annual information security training courses for all staff.
- Managed the data collection and analysis for a multi-state study analyzing the effects of the Txt4Baby program, including the collection and analysis of back-end electronic medical record (EMR) data from six separate medical organizations. Received training from on-site EMR database experts on the decoding and analysis of database data from several major EMR systems.
- Managed the data collection efforts to support a sugar-sweetened beverage consumption study, including the coordination with Information Technology specialists at several grocery store corporations. Utilized cloud-hosted and on-premises data collection and analysis to securely analyze high-volume data. Developed an on-site tablet data collection application with barcode technology to quickly capture on-shelf quantities.
- Coordinated the research and implementation of a document management system / workflow capable of capturing 200,000 pages per year of confidential patient data, via fax, secure upload, and paper scan input.
- Designed and implemented an internal custom contact management system based on Sugar CRM, interfacing with a document management system to reduce data entry error.
- Designed and implemented a software package in 16 hours to provide custom PDF collation and distribution using Python, saving \$10,000 annually in FTE time.
- Secured and maintained a secure computing environment using industry-standard best practices and procedures for secure file handling.

Public Health Institute: California Cancer Registry

Sacramento, CA

Systems Support Manager

July 2007 – Nov 2010

- Managed day-to-day desktop/server/network support team, providing high level issue escalation and cooperative collaboration / interfacing with other business units.
- Prepared planning documentation for annual and 5-year goals for the Registry, including detailed budgeting and staffing goals.
- Participated in the vision process for both the California Cancer Registry and the Survey Research Group, identifying opportunities for secure implementation of projects without compromising business goals.
- Assisted in the design and implementation of a Change Management committee and Change Management processes to avoid security pitfalls and ensure high uptime for employees and collaborators.
- Consulted with collaborators, management, end-users, IT staff and developers to ensure successful roll-out of necessary security measures without significant impact to productivity or morale.
- Designed and built an enterprise data center, designed to deliver 99.99% uptime.
- Created Enterprise IT Policy / Procedure documentation, including hardware/software standards, implementation guidelines, and disaster recovery/BCP documentation.
- Trained and mentored all new IT staff in desktop, server, and network support areas.
- Procured strategic technical training to specific staff, resulting in an overall significant reduction in the organization's annual technical training budget.

Systems/Network Engineer

Aug 2004 – July 2007

- Researched, specified, procured, and deployed a custom VOIP telephone system to support office and call center environments.

- Re-designed and re-tooled an existing data center to accommodate additional computing and reliability requirements, while continuing to meet system availability requirements.
- Introduced virtual machine technology to allow the development team to rapidly add new servers as needed, resulting in a significant decrease in development time and corresponding cost savings.
- Re-negotiated telephony and internet contracts to obtain 50% annual savings.
- Deployed automatic update servers to improve server and desktop security and reliability, while meeting new security compliance requirements.

GraniteNetwork.com

Founder, Web Developer & Director of Operations

Mountain View, CA

2001 - 2004

- Provided 24/7 support and hosting for Sunset Magazine (www.sunset.com).
- Installed and maintained hot-backup systems and disaster recovery procedures.
- Configured search engine, online polling, and contest entry programs for clients.
- Implemented a web forum solution for Spectral Dynamics, Inc.

iAsiaWorks, Inc. (formerly Web Professionals, Inc.)

Network Administrator

Burlingame, CA

Jan 1998 – May 2001

- Directed the Managed Hosting team to plan and execute projects, trained new members.
- Acted as point of contact for customer requests, network infrastructure issues, hardware and software issues.
- Conducted product research to make hardware and software purchasing recommendations.
- Managed Solaris, Windows NT/2000 and Red Hat Linux servers.
- Configured Cisco routers and switches.
- Installed and managed redundant server and service monitoring systems.
- Created and maintained multi-platform custom server cluster backup procedures.

APTL Network, Inc.

Systems Administrator and Software Developer

Sunnyvale, CA

1997 – 1998

- Developed a site-to-site automatic medical record transfer system for Kaiser Permanente Oakland using Perl.
- Developed a web accessible, searchable MSDS database for GE Nuclear using Cold Fusion software and specialized SQL queries.

Education

University of California at Santa Cruz

B.S. Information Systems Management

Santa Cruz, CA

May 2003

Innovative Solutions Inc (ISINC)

Project Management Professional (PMP) Certification Training

Sacramento, CA

May 2010

Certifications

GIAC Certified Forensic Analyst
Certificate # 14606

July 2018

AccessData Certified Examiner

January 2017

ISC² Certified Information Systems Security Professional (CISSP)
Certificate # 566631

June 2016

Microsoft Certified IT Professional # 7022030	
Enterprise Administrator	July 2009
Microsoft Certified IT Professional – Server Administrator	July 2009
Microsoft Certified Technology Specialist	
Windows Server 2008 Applications Infrastructure, Configuration	July 2009
Microsoft Windows Vista, Configuration	July 2009
Windows Server 2008 Active Directory, Configuration	July 2009
Windows Server 2008 Network Infrastructure, Configuration	July 2009

Selected Presentations

Benefits and Challenges of Going Paperless: Implementation of a Document Management and Workflow System	
NAACCR 2015 Conference	Charlotte, NC
Protecting from Ransomware and Cyber Threats	April 2017
Executives of California Lawyers' Associates Annual Conference	Sacramento, CA
After the Breach: The Importance of a Forensic Response	June 2017
University of California Information Security Symposium	Davis, CA
Protecting from Ransomware and Cyber Threats	April 2017
Executives of California Lawyers' Associations Annual Conference	Sacramento, CA
Maintain Productivity and Limit Internet Access	March 2018
Western Veterinary Conference	Las Vegas, NV
Protecting from Ransomware and Cyber Threats	March 2018
Western Veterinary Conference	Las Vegas, NV
eDiscovery and Public Information Requests	July 2018
East Bay Schools Insurance Group Strategic Planning Session	Napa, CA
Panelist, Panel Discussion on Ephemeral Data	October 2018
Women in E-Discovery Conference	Irvine, CA
Collecting and Understanding Electronic Medical Records in Litigation	May 2019
Santa Clara County Trial Lawyers Association	San Jose, CA
Collecting and Understanding Electronic Medical Records in Litigation	September 2019
TASA Group Webinars	Online
Panelist, "Making E-Discovery Work For You"	October 2019
California Employment Lawyers Association Annual Conference	San Jose, CA
Panelist, "CyberFraud Seminar – Good and Bad of Chats"	May 2020
ISACA Sacramento Chapter	Online

Publications

Ng, S.W., Silver, L., Ryan-Ibarra, S., Induni, M., Hama, C., Poti, J. et al. (2015) *Berkeley Evaluation of Soda Tax (BEST) Study Preliminary Findings*. Paper presented at the American Public Health Association Meeting, Chicago, IL. Retrieved from <http://www.phi.org/resources/?resource=berkeley-evaluation-of-soda-tax-best-study-preliminary-findings>