

Michael Miranda

Director of Information Security

networks@miranda.pro

Experience

Director of Information Security at Hawaiian Telcom

February 2015 - Present (11 months)

Instructor at University of Hawaii

August 2013 - Present (2 years 5 months)

- Introduction to Digital Forensics - Fundamentals of Secure Software Programming

Supervisory Committee Member at Hawaii State Federal Credit Union

April 2013 - Present (2 years 9 months)

The Supervisory Committee is responsible for ensuring the Board of Directors and management of the credit union meet financial reporting objectives and establish practices and procedures sufficient to safeguard members' assets. To carry out these responsibilities, the Supervisory Committee must determine whether internal controls are effective, accounting records are accurate, Board policies and control procedures are properly administered, and policies and control procedures are sufficient to safeguard against error, conflict of interest, self-dealing and fraud.

Program Manager and Intellectual Property Advisor at Referentia Systems, Inc.

October 2013 - February 2015 (1 year 5 months)

Directs network and cyber security programs from inception to completion. Responsible for cost, schedule, and technical performance of programs. Responsible for advising on corporate intellectual property protection strategy and management.

Sr. Manager, Product Management, Managed Services, Security Operations at Hawaiian Telcom

April 2011 - October 2013 (2 years 7 months)

Product manager of the Managed Services product line for Hawaiian Telcom. Responsible for developing the products and services to be offered, the overall strategy for the business, and budgeting. Works with and leads cross-functional teams to develop, deploy and manage the products from pre-sales to cash. Provides regular executive reporting on the overall performance of the business. Analyzes the network and cyber security service offerings in market to identify market trends, service enhancements and effective marketing programs. Supports sales through product training and opportunity development. Managed the cyber security and network operations supporting the Hawaiian Telcom Managed Services product line. Developed cyber security methodology, triage process and incident handling procedures. Supported the Information Security program at Hawaiian Telcom, including triage of security events, incident response and policy development.

Computer Systems Security Analyst at Referentia Systems, Inc.

November 2010 - April 2011 (6 months)

Developed computer network security policies, standard operating procedures, prototype sensors and controls to protect against, detect and respond to threats and attacks. Developed requirements for and coordinated execution of the test plans to assess the effectiveness of the policies and procedures.

Software Developer and Computer Network Security Analyst at Northrop Grumman

November 2005 - November 2010 (5 years 1 month)

Cyber security threat analysis, intrusion analysis, 24x7 monitoring, computer network defense configuration, custom tools development, forensics and incident response.

Programmer/Analyst at Verizon Federal Network Systems

February 2005 - November 2005 (10 months)

Designed, developed and maintained applications that supported network operations. Technologies involved included Java (Web Start, JSP, Servlets), XML, Oracle (including PL/SQL), Active Directory, Perl, Windows and Unix Scripting.

Software Project Lead at 21st Century Systems, Inc.

May 2004 - February 2005 (10 months)

Conducted research and development of software applications with a focus on undersea operations. Managed a 4-person team during the redesign of an existing undersea software application research project.

Legislative Attorney at Hawaii State Senate

December 1997 - July 2003 (5 years 8 months)

Drafted legislation, resolutions, committee reports and other related research documents on various subjects, including intellectual property, economic development (including high technology), health, taxation, agriculture, education, government procurement, privatization and restructuring, condominiums, housing, transportation, intergovernmental affairs and legislative procedures. Drafted legal opinions and research memoranda in response to inquiries from State Senators and their staff. Served as Senate Majority Office liaison for the Committees on Economic Development, Health, Agriculture, Government Operations and Housing, Transportation and Intergovernmental Affairs and an Investigative Committee. Conducted staff training on legislative process, practice and procedure.

Michael J. A. Miranda, Attorney At Law at Attorney

February 1998 - December 2000 (2 years 11 months)

Solo-practice emphasizing real estate transactions.

Publications

Cyber Theft and Security Workshop

Hawaii Credit Union League December 5, 2014

Authors: Michael Miranda

Credit unions are seeking efficiency and improved business performance by leveraging cloud services and providing anytime/anywhere access. Many are rushing to adopt new architectures without fully defining information security requirements and ensuring vendor compliance. Discover a balanced approach toward evaluating and implementing security for cloud and mobile infrastructures to help determine the best use for your credit union.

Exploiting Security Intelligence

ISSA Hawaii October 15, 2014

Authors: Michael Miranda

Everyday a sensational cyber security incident is reported in the news. Vendors staffed with stealthy armies of malware and threat analysts issue volumes of reports detailing incidents from the initial email, to the raw assembly code, and then to actual pictures of the alleged perpetrators. Other researchers publish thousands of indicators of compromise that are "confirmed bad". With this much information flooding our inboxes, blogs and LinkedIn news feeds, what is a lonely IT security manager to do? This discussion will focus on approaches and tips to wade through the all the fear, uncertainty and doubt in the security intelligence reports to allow you to focus on effectively protecting your network.

Mastering Technology To Reach Your Customers and Secure Your Information

Pacific Business News' 1st Annual Small Business Expo August 15, 2013

Authors: Michael Miranda, Jeff Coomans, Stuart Soileau

Join experts to learn the latest cloud solutions and trends and hear about using these tools safely and keeping your network safe. You'll walk away not only with an appreciation for what's taking place with the latest trends in technology and security, but also ideas for how to put these technologies to work for your bottom line.

Tech@Work: How Employers Can Thrive in the Digital Workplace

Hawaii Employers Council - Presentation June 13, 2013

Authors: Michael Miranda, Elijah Yip

As computer technology increasingly weaves itself into the fabric of everyday life, the line between personal and business technology use gets blurred. The same cell phone used for personal calls is now also a device to check work emails or retrieve other information from the company server. A large segment of the workforce today is active on social networks like Facebook and Twitter. The question for employers is not so much how to keep personal technology use out of the workplace, but how best to leverage technology for their organization's benefit while managing the risks of doing so. Join technology lawyers Elijah Yip and Mike Miranda in this training session as they discuss three hot tech trends, their implications for employers, and tips for thriving in the digital workplace: BYOD: Beyond a Buzzword • Fundamentals of the Bring Your Own Device (BYOD) movement • Security and privacy concerns of dual-use devices in the workplace • E-discovery challenges • Wage and hour issues and other legal risks associated with BYOD • Strategies for mitigating risk created by BYOD Social Media: The Socially Savvy Employer • Best practices for using social media in hiring • Investigation, discipline, and termination of employees for their online conduct • Ownership of social media assets • Essential components of an effective social media policy • Development

of policies for accessing and using company electronic information
Electronic Signatures: What Are Employers Signing Up For? • Electronic signatures vs. digital signatures • Legal framework for e-signature regulation, including the Uniform Electronic Transactions Act (UETA) and the Electronic Signatures and Global and National Commerce Act (E-SIGN) • Common risks and concerns associated with use of e-signatures in the workplace • Requirements of industry regulations regarding use of e-signatures

Grow Your Business Online...Securely

Hawaiian Telcom University Presents: Connecting with Hawaii February 20, 2013

Authors: Michael Miranda

Today, businesses grow by connecting more with employees, partners and customers using computers, servers, social media sites, cloud services and mobile devices. As your reach spreads, you expose more of your critical data and increase the risk of theft and loss. Learn about practical and cost-effective ways to take advantage of the connected business marketplace while maintaining security across your organization.

Practical Security in a BYOD World

ISSA Hawai'i Chapter - Discover Security Conference 2012 October 10, 2012

Authors: Michael Miranda, Bryan Wood

Bring your own device (BYOD) is one of the latest trends that pushes the boundaries of IT security professionals. It tests the limits of securing the enterprise while allowing maximum usability and productivity for end users. Fortinet and Hawaiian Telcom will discuss conventional wisdom of IT architecture, what additions might be needed, and how BYOD can be safely enabled.

“BYOD” Impacts and Issues for Schools Today

Hawaii Association of Independent Schools - Presentation August 8, 2012

Authors: Michael Miranda, Beau Monday, CISSP

Bring Your Own Device (“BYOD”) is a complex issue confronting all campus settings today as intelligent mobile devices become more prevalent. Just say, “No,” and miss the opportunity to leverage computing resources that can enhance the teaching and learning experience at school and at home. But how do you minimize abuse, protect secure data and ensure appropriate use?

Delivering World Class UTM Solutions

Data Connectors (Hawaii) - Presentation July 26, 2012

Authors: Michael Miranda, Mike Wysocki

Learn about Fortinet and Hawaiian Telcom’s partnership in delivering the industry’s leading Unified Threat Management solution to businesses of all sizes across the State of Hawaii. Mike Wysocki of Fortinet will provide an overview of Fortinet’s arsenal of UTM solutions – widely recognized as the leader in technology, ease of use and features designed to make Fortinet the easiest-to-deploy and manage solution. Michael Miranda of Hawaiian Telcom will present Hawaiian Telcom’s Managed Threat Security Bundle (MTSB). Based on Fortinet platforms and backed by Hawaiian Telcom’s Always On network and managed services team, MTSB provides a 7 x 24, total security solution for small- to medium-sized businesses.

Detecting Data Exfiltration

2011 Business Security Conference September 6, 2011

Authors: Michael Miranda

Projects

Asia-Pacific Economic Cooperation (APEC)

November 2011 to Present

Members: Michael Miranda, Shaye Maeda, Reno Abihai, Ryan Freitas

Certifications

GIAC Certified Forensic Analyst (GCFA)

GIAC March 2014

GIAC Certified Intrusion Analyst (GCIA)

GIAC December 2009

GIAC Systems and Network Auditor (GSNA)

GIAC June 2010

Hawaii State Bar

Hawaii State Bar Association

Registered Patent Attorney

USPTO

Skills & Expertise

Linux

Java

Perl

Databases

Software Development

C#

Product Management

Security Incident Response

Network Forensics

Data Forensics

Snort

FreeBSD

TCP/IP

Computer Security

Information Security

VPN

Computer Forensics

Active Directory

Networking

Cloud Computing

Managed Services

Data Center

Virtualization

Network Architecture

Firewalls

Security
Network Security
Program Management
Cloud Security
Security Operations
Information Security Management

Education

University of Hawaii at Manoa

BA, Information and Computer Sciences, 1999 - 2003

Gonzaga University School of Law

JD, Law, 1994 - 1997

University of Central Florida

BA, English, 1992 - 1994

Maryknoll

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