

DR. LUIS O. NOGUEROL

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INFORMATION SYSTEM SECURITY OFFICER – CHIEF TECHNOLOGY OFFICER

Seasoned Information Security Executive. Resourceful, organized and results driven information security/information technology expert with excellent project leadership, problem solving, supervision, time management and interpersonal skills. Proven ability to work globally across disparate functional groups to build consensus and enable new lines of business using creative technologies and solutions. Rich expertise in successful execution of Information Security programs in multi-national, multi-cultural organizations. Strong background in electronic engineering. Innovative and diligent team member who is committed, motivating, optimistic and reliable. Responsible, community-service minded individual who devotes personal time in the service of worthwhile efforts and conducts all endeavors with integrity and a dedication to the highest standards of personal performance. Support information security awareness through metrics, creative communications and cross-organizational education programs. Manage and bring together all security determinations crosswise enterprise business units, together with internal and remote clients. Lineup with Legal and Compliance requirements with company's partners and customers. Recognize possible weakest points related to the security of the electronic data at all levels of the operation, put on place security measures to minimize risks, and increase the consistency, confidentiality, availability, and integrity of the electronic data. Continuously managing risks and improving cyber security posture in complex enterprises is what I do best.

SUMMARY OF QUALIFICATIONS

- **Selected as the worldwide' C|CISO of the year 2016, by the EC-Council Foundation and InfoSec Institute.**
- Over 33 years in Information Technology and Information Security.
- Manage and merge all security determinations crosswise enterprise business units, together with internal and remote clients. Maintain Legal and Compliance requirements, including NIST SP 800 – 53, Rev. 4, PCI standards and SSAE-16 reports.
- Entrepreneurial and solutions-focused professional with validated responsibility for purposeful, business, and comprehensive company objectives.
- Effectively and proficiently incorporate and develop procedures, accomplish difficult subjects within functional area of expertise, create long-term planning, and contribute to the overall business strategy.
- Recognized for ability to build positive relationships with diverse internal and external audiences.
- Establish security measures to minimize risks, increase the consistency, confidentiality, availability, and integrity of the electronic data.
- Recognize possible weakest points related to the security of the electronic data at all levels of the operation.

TECHNICAL SKILLS

- Security Information and Event Management, (SIEM – RSA enVision). ArcSight
- FORCEPOINT, (Websense Triton), MacAfee ePolicy orchestrator, Imperva, Netwitness, ProofPoint, and Mobil Iron. RSA Archer.
- RSA Adaptive Authentication and Identity Management. IBM Identity Management, SSO
- CheckPoint R71.40, R75.45 (GAIA), R75.46, R76.0, 77.0, 77.20 and 78.0. IPsec, PKI, Proxy services
- CISCO ASA 5500, FireMon
- Absolute Computrace, ServiceNow, Jira
- VPNs' design, implementation, and strengthening; strong background on different encryption methods
- VMware, SiteMinder, DataPower, and Netscaler
- Server 2016, 2012 Enterprise, 2008 Enterprise, and 2003 Enterprise, Active Directory Administration
- Cloud designs, operations, and hardening. Azure Cloud architecting
- Blockchain/distributed ledger Microsoft ForeFront Identity Management
- Citrix Server 5.0; SQL 2000, 2005, and 2008
- Threat Management Gateway for Windows Server 2008, (New ISA version)
- dBase II, III, FoxPro, Fortran IV and 77, Cobol 85 and 2002, Turbo Pascal 5.& 7.0, Delphi, Assembler, and C++.
- Enterprise information security architecture (EISA)
- Varonis Metadata Framework

INFORMATION TECHNOLOGY PROFICIENCIES

- Penetration Testing, Vulnerability Assessments, Computer Forensic and Data Recovery
- IT investigations and analysis of security breaches
- Skilled with electronic fraud detection and contention
- Experienced with risk analysis, internal controls audit and testing, operations risk management, development of security systems and implementation of security protocols
- Probed expertise complying with the laws and regulations, especially SOX, ISO 27001 best practices, OWASP, and SSAE-16 Reports
- Knowledgeable with Identity Management Systems and Systems Administration
- Multiple IDSs and IPSs, (Dell SecureWorks, SourceFire, AlertLogic, SilverTail, and Solutionary)
- WireShark, Nmap, Metasploit, Burp, Maltego
- Trip Log Wire (TLC), RedSeal, Arbor PeakFlow
- Proficient on ITIL procedures and techniques, as well as PCI regulations
- Savvy on addressing the emerging threats to information security by developing and maintaining a strong information security strategy
- Network Configuration, Troubleshooting and Maintenance
- System Administration
- Secure wireless communications and mobile applications
- Established and maintained technical infrastructure secure and administrative computer and network security safe.
- Juniper DDoS Secure
- Crisis communications and issues management
- Training and professional development
- ArcSight, CSAM, Nessus, ProofPoint,

PROFESSIONAL EXPERIENCE

**United States Department of Commerce (DOC)
National Oceanic and Atmospheric Administration, (NOAA)
Southeast Fisheries Science Ctr., Miami, FL
Information System Security Officer**

January 2015 to Present

- Chair the Cyber Security Division for NOAA Fisheries, Southeast Region, including its four reporting science centers: Miami, FL.; Pascagoula, MS; Galveston, TX, and Panama City, FL.
- Direct managing cyber objectives, strategic implementation plans, milestone review, and portfolio management. Develop risk management strategies to avoid non-compliance and file compliance reports with regulatory bodies.
- Preparation of Security Authorization packages in accordance with National Institute of Standards and Technology, (NIST), Federal Information Security Management Act, (FISMA), and other Federal Government requirements, (including system security plans; risk assessment; contingency plans, compliance reviews, and security control assessments).
- Emphasize in information assurance, risk management, security audits, system vulnerability and contingency plan testing, policy and procedures development, and mission critical IT Infrastructure analysis.
- Development and maintenance of system security plans, policies, procedures, and best practices to be enforced agency wide.
- Point of contact for all security incidents within the agency and report to members of the Computer Incident Response Team, (NCISRT), and using NOAA procedures.
- Monitor, evaluate, and respond to security threats to assigned systems. Ensure that all policies and procedures are implemented and well documented, performing occasional internal reviews and identifying compliance problems that call for formal attention.

COMPUNETWORK, INC.
Vice-President of Digital Transformation/CISO

MIAMI, FL
2012 – 12/2014

- ❑ Oversee all issues related to digital process, including cyber security incidents from the technical and legal perspective throughout Central and South America.
- ❑ Develop and maintain a proper enterprise business continuity plan, and closely work and supervise the necessary measures to solve and prevent any security breaches that might occur. Manage security engineers and risks compliance analysts. Enforce security policies within the IT department.
- ❑ Propose, develop, manage, and audit the security policies to be implemented locally and in network environments. Prepare and control operational budgets for the security department and its personnel, training, and other activities related with the proper execution of the financial plan.
- ❑ Coordinate and manage day-to-day operations of the Information Security department in addition to managing a medium-size geographically dispersed team. Manage the companies auditing process and serve as the interface between external auditors and internal departments.
- ❑ Design security controls and policies to be implemented company wide. Revise existent security policies and procedures as well as propose new ways to get better data protection.
- ❑ Perform forensic analysis on daily tasks and advise of best practices to minimize security exposure and risks. Compile reports on security metrics, project status, and compliance.
- ❑ Define security policies, disaster recovery plans, and keeping it up-to-date. Foster an environment of regulatory awareness and guarantee regulatory compliance with SSAE-16 and PCI standards.
- ❑ Formulate, review and propose audit plans, classify, suggest and recommend mitigating process and controls oriented to minimize risks and vulnerabilities discovered during frequent system evaluations.
- ❑ Make sure all SSAE-16 and PCI compliance requirements are in place as for example, internal and external PCI scans, network segmentation, separation of duties, documentations, etc.

Selected Accomplishments:

- Reduced the electronic fraud by 39% in less than 2 years
- Achieved company PCI compliance within a 1 year timeframe
- Restored company adherence for SSAE-16 reports to zero exceptions; compliance remains intact
- Led the \$2.7M cloud computing project as CTO-CISO, designed the Infrastructure as a Service (IaaS) and Software as a Service (SaaS) architecture, cloud management platform, cloud operation model and cloud security framework, and finished a POC test for the whole project.
- Managed proposal writing projects on \$3.5M electronic fraud reduction contracts over a two-and-a-half-year period, including all key aspects of security measurements, e.g. risk assessment and management, audit, identity management, data encryption, SIEM and network security.
- Overhauled all IDS/IPS security systems; saved over \$200K in upgrade costs.
- Relocated entire IT Operation to a hosted environment setting with no service disruption; reduced up to \$150K in costs.
- Leading Architect for Mobile Security policies (BYOD) and implementation of Blockchain/distributed ledger
- Developed exclusive Information Security Awareness Program; ensured 100% employee awareness to known cyber threats

Verizon Federal Group
Cyber Threat Hunter III (FBI.gov, WhiteHouse.gov, and DATA.gov)

Miami, FL
Jan. 2009 to March 2012

- ❑ Perform deep penetration testing oriented to find system's vulnerabilities, investigate the possible reasons besides origins of the cyber-attacks, and create a plan to improve the protection of the electronic data
- ❑ Execute forensic analysis on daily tasks, and suggest best practices to minimize security exposure and risks.
- ❑ Install, configure, maintain, and troubleshoot firewalls, proxy servers, network monitoring tools, authentication methods and technologies, and network intrusion detection systems.

- ❑ Triage inbound security events, monitor correlation metrics, update signatures on customer IDS devices, update policies on customer's firewalls, collect, analyze, and report anomalies detected during the security audits. Documented all tickets and requests through a ticket system. Design, develop, and implement organizational plans to improve customer's portfolio and quality of the services.

Selected Accomplishments:

- Directed SOC analysts' assignments covering 3 federal agencies, demonstrating technical knowledge in a highly-demanding environment.
- Acted as a Sr. Technical advisor to the Security Operation Center and staff.
- Participated in security incidents and post incidents response process, served as technical security lead on medium and big size projects.
- Trained and mentored junior security analysts ensuring operational integrity and ease of workflow

Florida National University, Information Technology Director

Miami, FL
July 2003 to Dec. 2008

- ❑ Responsible for the entire system administration such as: hardware/ software, installations, configurations, maintenance, troubleshooting and repair of Servers, PCs, Terminal Server, Printers, Projectors, TV and Audio Devices, Wireless Connections, Network Equipment's, Internet, System Backup, Telephone System, VoIP and user Accounts. Managed the WAN, LAN, and VPN connections. Completed inventory, accounts creation and maintenance. Accountable for the management of Help Desk issues, including incident definitions, tracking, escalation, resolution, and closure of all incidents. Managed and created the IT budget. Managed customer support from Tier I to Tier III.

Selected Accomplishments:

- Achieved over 99% system uptime managing a \$470K W2K server farm, maintaining the University WAN for three different campuses and providing 24/7 support for Dell and HP enterprise class servers and Cisco networking equipment. Network monitoring and security management.
- Reduced costs \$155K per year with the implementation of a Terminal Server platform.
- Modernized and expanded the information technology infrastructure companywide utilizing commitment to process improvement. Responsible for training employees in the new platform and integrate security practices in their daily work.
- Maintained extremely low turnover rate and successful at developing and promoting information security personnel

IROQUOIS HIGH SCHOOL Professor (Mathematics & Computer Science)

Louisville, KY
Aug. 1999 to June 2003

- ❑ Teach precollege level courses in Mathematics including, Algebra, Probability and Statistics, and Differential Equations.
- ❑ Planned, prepared and delivered classroom instructions in lecture and/or laboratory format while utilizing a variety of instructional methods.
- ❑ Evaluated and resolved student inquiries, issues, and problems. Ensured appropriate action was taken to the satisfaction of students while staying in compliance with company policies, procedures, and legal requirements. Participated in faculty meetings.

Selected Accomplishments:

- First Computer Science Instructor for the first ESL Adult Educational Opportunity Program
- Mathematics and Computer Science Wall of Honor, Jefferson County Public School District
- Outstanding Technical Teacher Award given by Jefferson County Public School District

EDUCATION:

SCHOOL OF ADVANCED STUDIES, UNIVERSITY OF PHOENIX- PHOENIX, AZ

- ❑ PhD. in Information Technology | Minor: Management in Organizational Leadership
Completion Date: August 2016
GPA 3.70 - Cum Laude

UNIVERSITY OF HOLGUIN- HOLGUIN, CUBA

- ❑ MS in Applied Mathematics & Information Systems Administration | Minor: Information Systems
Completion Date: June, 1998
GPA 5.0 - Summa cum Laude

FLORIDA NATIONAL UNIVERSITY – HIALEAH, FL

- ❑ BS in Information Technology | Minor: Network Administration
Completion Date: September, 2006
GPA 4.0 - Summa cum Laude, Valedictorian Speaker

IT CERTIFICATIONS:

2019 CompTIA Cyber Security Analyst, (CySA) Certified

2019 CompTIA **Linux+** Certified

2019 Certified Expert in Cyber Investigations (CECI) - McAfee Institute

2019 Certified Cyber Intelligence Professional (CCIP) - McAfee Institute

2019 Certified Counterintelligence Threat Analyst (CCTA) - McAfee Institute

2019 Certified Organized Retail Crime Investigator (CORCI) - McAfee Institute

2019 Certified Social Media Intelligence Analyst (SMIA) - McAfee Institute

2019 Certified eCommerce Fraud Investigator (CEFI) - McAfee Institute

2019 Certified Forensic HiTech Investigator (CFHI) - McAfee Institute

2018 EC-Council Certified Technical Trainer (ECT). Certified Ethical Hacker and C|CISO Trainer.

2018 Microsoft Certified Trainer (MCT)

2018 Microsoft Certified System Administrator 2016 (MCSA 2016)

2018 FireEye Email Security and Central Management Certified.

2017 Computer Certified Forensics Examiner (CCFE) - by Information Assurance Certification Review Board

2017 Microsoft Certified Solutions Expert: Cloud Platform and Infrastructure (MCSE Cloud)

2017 Certified Microsoft Trainer (MCT)

2016 Certified Data Recovery Professional (CDRP) - by Information Assurance Certification Review Board

2016 Certified Chief Information Security Officer (C|CISO)

2016 RSA Certified Security Professional (RSA CSP)

2016 ISO 27002 Lead Auditor

2015 Qualified Internal Auditor (QIA)

2015 TTA **Verified Training Professional**

2014 ProofPoint Enterprise Protection/Privacy Accredited Engineer (EPPAE)

2014 Microsoft Certified Solutions Expert: Server Infrastructure 2012 (MCSE 2012)

2014 Microsoft Certified Solutions Associate Server 2012 (MCSA 2012)

2014 IBM Certified Deployment Professional - Security Access Manager for Enterprise Single Sign-On (SAMESO)

2014 Certified Business Architect (CBA)

2013 IASSC Certified Lean Six Sigma Black Belt (ICBB)

2013 Check-Point Certified Security Expert (CCSE); Check-Point Certified Security Master (CCSM, 2015)

2013 Check-Point Certified Security Administrator (CCSA)

2013 Cyber Awareness Challenges, **Department of Defense**, USA

2013 Certified Wireless Network Administrator (CWNA)

2014 Certified Information System Security Professional (CISSP)

2011 Certified Internet Web Security, Enterprise Administrator (CIW)

2011 Cisco Certified Network Professional (CCNP)

2010 Microsoft Certified IT Professional (MCITP): **Enterprise Desktop Administrator 7**

2010 Microsoft Certified IT Professional (MCITP): **Dynamics; Microsoft SharePoint 2010, Administrator**

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2010 Microsoft Certified Technology Specialist, Exchange Server 2007 Administration (**MCTS, EX07**)
2009 IT Infrastructure Library Certified (**ITIL, v3**)
2009 EC-Council Certified Ethical Hacker V3 (**CEH**), Certified Ethical Hacker, V8 (**2016**)
2009 EC-Council Computer Hacking Forensic Investigator (**CHFI**)
2009 CISCO Certified (**CCNA**) - **Renewed on 06/2016**
2009 Microsoft Certified IT Professional, (**MCITP**): **Enterprise Administrator**.
2009 Microsoft Certified IT Professional, Windows Enterprise 2008 (**MCITP**).
2008 Microsoft Certified (**MCP, MCSA, MCSE, MCTS**).
2001, 2009 CompTIA **A+ Certified Professional**, CompTIA **Network + 2009, Security + 2009**

Academics:

Adjunct Professor Cyber Security / IT for University of Maryland, Maryland, USA	2016 - Present
Adjunct Professor Algebra / Statistic for University of Maryland, Maryland, USA	2016 - Present
Adjunct Professor Cloud Architecture for Pace University, New York, USA	2016 - Present
Adjunct Professor Information Technology/Information Security for New Horizons	2014 - Present
Adjunct Professor Algebra / Statistics / Information Technology for Everest University	2007 - 2012
Adjunct Professor Digital Forensics / Security Analysis for ITT Technical Institute	2005 - 2012
Adjunct Professor Information Technology for Florida National University	2003 - 2007

Very handy on: Blackboard, Moodle, LEO, Adobe Connect, and Google Classroom.

Bilingual- English/Spanish

VOLUNTARY ACTIVITIES:

President University of Phoenix, Miami Chapter, **02/2011 - 12/2015**
Information Security Evangelist. Trained 574 low income and minority students for free - **2010 - Present**