

Ramilo P. Mendoza

(CISSP | CEH | PCNSA | Security+ | JNCIA | CSQP)

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🔗 LinkedIn | 🌐 Portfolio

Professional Summary

Cybersecurity & ICT Specialist with 29+ years of experience securing critical infrastructure in smart cities, national grids, and energy sectors. Proven expertise in designing and implementing large-scale security frameworks for digital transformation projects. Holds globally recognized certifications (CISSP, CEH, PCNSA, Security+, JNCIA).

Experienced in IT/OT cybersecurity integration, cloud security, AI-driven threat intelligence, and compliance with ISO 27001, NERC-CIP, and NCA standards. Passionate about building secure, resilient, and future-ready digital ecosystems for smart city projects like Neom.

Key Skills & Competencies

- ✅ Smart City Cybersecurity & IoT Security (SCADA, Industrial Control Systems)
- ✅ AI-Driven Threat Intelligence & Automated Incident Response
- ✅ Zero-Trust Architecture & Cloud Security (AWS, Azure, Private Cloud)
- ✅ IT/OT Convergence Security & Secure SCADA Systems
- ✅ Advanced Threat Hunting & Digital Twin Security
- ✅ Cybersecurity Frameworks & Risk Management (ISO 27001, NERC-CIP, NCA Compliance)
- ✅ Network Security & Infrastructure (Palo Alto, Fortigate, Cisco, Huawei, Barracuda Firewalls)
- ✅ Penetration Testing & Vulnerability Assessments (Nessus, Splunk SIEM, Senhasegura PAM)
- ✅ Data Security & Governance (Data Loss Prevention, Secure Cloud Computing)

Professional Experience

IT/OT Cybersecurity Consultant & Software Engineer

- 📌 National Control Centre (NCC - EMS/MMS) Project
- 🏢 DAR International for Engineering Consultancy / Alfannar
- 📅 2012 – Present

Led cybersecurity initiatives for national critical infrastructure projects, securing smart grid and energy management systems for large-scale digital transformation initiatives.

Designed and implemented security frameworks for IT/OT integration, securing industrial control systems (ICS), IoT networks, and cloud-based smart city platforms.


Developed and deployed security solutions in line with ISO 27001, NERC-CIP, and NCA standards, reducing cybersecurity risks and strengthening national-scale digital infrastructure.

Managed and maintained advanced security infrastructures including Palo Alto, Fortigate, Barracuda, and Cisco firewalls, ensuring high availability, performance, and secure operations of mission-critical systems.

Provided expert consultation on AI-driven security solutions, automated threat detection, and zero-trust architecture, enhancing Neom-aligned smart city cybersecurity strategies.

Software Senior Engineer

 Philippine Electricity Market Corporation – IOMD

 2005 – 2012


Supervised and led software development teams, overseeing the design, development, and deployment of secure energy market applications.

Provided 24/7 technical support and rapid incident response for the Market Management System (MMS) on Unix AIX, Tru64, and Oracle 9i platforms.

Enhanced system security by contributing to ISO 27001 certification processes and implementing security best practices.

Senior Programmer

 National Power Corporation – Philippines

 1995 - 2005

Developed and maintained secure business applications, ensuring compliance with industry best practices for data protection and cybersecurity.

Optimized application security by performing thorough testing, debugging, and system hardening.

Education & Certifications

🎓 Bachelor of Science in Information Technology – Polytechnic University of the Philippines (2011)

- 📄 Certified Information Systems Security Professional (CISSP)
 - 📄 Certified Ethical Hacker (CEH v12)
 - 📄 Palo Alto Networks Certified Network Security Administrator (PCNSA)
 - 📄 CompTIA Security+ & Network+
 - 📄 Juniper Networks Certified Associate (JNCIA)
 - 📄 ISO 27001 & Compliance Training
 - 📄 ICS Cybersecurity Risk & Threat Analysis
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Professional Trainings (Full list available upon request)

OT Cybersecurity, VMware, Red Hat Linux, and Oracle Database Security