Priscilla Lopez

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WORK EXPERIENCE

Director of Information Security

Lumifi **04/2024 - Present**

- Led enterprise-wide development of cybersecurity governance programs, with 2 direct reports, aligned to NIST 800-171, HIPAA, and SOC 2, managing internal assessments and coordinating evidence gathering cross-functionally.
- Directed internal incident response workflows, partnering with key stakeholders to improve alert fidelity, accelerate containment, and support post-incident forensics using XDR and SIEM tooling.
- Spearheaded organizational risk assessments and third-party risk reviews, identifying and mitigating vendor-related risks through standardized due diligence, contract evaluation, and remediation tracking.
- Collaborated with software and product teams to embed secure SDLC and DevSecOps practices, applying secure coding guidelines and tooling across CI/CD pipelines and cloud environments.
- Delivered security awareness training and led tabletop exercises tailored to real-world threats and organizational roles, improving user vigilance and response coordination across departments.
- Authored and maintained technical and procedural documentation (IR playbooks, BCDR plans, policy mapping) in support of internal governance and audit readiness aligned with, CMMC, SOC2, and HIPAA.
- Provided consultative leadership in access control (IAM, MFA, PAM) implementations, ensuring secure identity provisioning and lifecycle management across hybrid infrastructure and cloud platforms.
- Partnered with technical teams to design, evaluate, and enforce endpoint security, network segmentation, data protection (DLP, encryption), and zero trust architecture aligned to client and compliance needs.
- Supported vendor and audit relationships by translating security risk into reports, and risk presented to stakeholders and leadership.

Senior IT Security Engineer · Scottsdale, Arizona, United States

Lumifi **04/2023 - 04/2024**

- Rapidly ramped into a security leadership role, leading successful SOC 2 and NIST 800-171 audit readiness efforts—mapped controls, authored documentation, and achieved zero major findings.
- Launched the company's first formal vulnerability and risk management programs, building scalable workflows for discovery, prioritization, and remediation across hybrid cloud infrastructure.
- Led endpoint security engineering using MDM tooling, enforcing compliance, streamlining device management, and mentoring 1 direct report to support cross-functional security initiatives.
- Revamped outdated policies and procedures to align with HIPAA, NIST, and SOC 2 frameworks, strengthening governance and audit readiness across departments.
- Authored internal documentation and incident response playbooks, supported IR activities, and championed new security initiatives that improved posture across cloud and endpoint environments.

Online Adjunct Professor & Lecturer · Various

Various **05/2013 - 05/2023**

- Taught cybersecurity, digital forensics, Python, e-commerce, and networking to 20+ students per cohort across University of Hawai' i Maui College, Liberty University, and Excelsior College, tailoring instruction to meet academic and industry-aligned outcomes totaling 176 credit hours.

- Designed and deployed AWS Workspaces and virtualization environments (VMware, VirtualBox, NICE Challenge Project) to support hands-on labs in exploit simulation, secure networking, and remote student accessibility.

Computer Systems Engineer

Hawaii Preparatory Academy **05/2018 - 04/2023**

- Directed modernization of IT and security infrastructure for 600+ students and 150 staff, replacing legacy Mac systems with Windows Server 2019, implementing Hyper-V virtualization, hybrid Azure AD/Entra integration, DNS/DHCP failover clustering, and strengthening identity and network controls with VPN, MFA, and NAC.
- Developed and enforced of cybersecurity policies and privacy practices aligned with PCI, GDPR, COPPA, CIPA, HIPAA, and HRS 487i/r/b; conducted annual security awareness training to meet regulatory and accreditation requirements.
- Engineered API and event-based automation using Bash, Python, and PowerShell scripts to streamline data integration, monitoring, and response workflows across servers, databases, and critical applications, improving operational efficiency and risk visibility.
- Led cross-functional initiatives to evaluate and implement endpoint protection, advanced firewall/router configurations (SonicWall, UFW), switch deployments (Juniper, Cisco), and open-source tools (Wireshark, tcpdump, OpenVAS) for proactive threat detection, analysis, and incident mitigation.

Founding Owner, Lead Tech

Lana'i Computers LLC **08/2013 - 12/2018**

- Delivered 7 external and web application penetration tests within 5 months for clients across multiple industries, leveraging tools like Nessus, Kali Linux, and Burp Suite to uncover vulnerabilities and ensure compliance with client security requirements.
- Consulted on and supported complex technical environments, including Cisco ASA firewall configurations, home/business networking, and small business IT operations, providing tailored solutions for nationwide clients in healthcare, legal, and retail sectors.
- Designed, maintained, and secured multiple WordPress and Linux-based web servers; conducted independent security research using OWASP, SANS, and InfoSec resources; authored detailed technical findings and remediation reports with validated proof-of-concept.

Data Processing User Support Technician II

Lanai High & Elementary School **08/2014 - 07/2016**

- Led technology operations for a K–12 school serving 600 students and 80 staff, overseeing server infrastructure, hardware lifecycle, supply logistics, and cross-campus network performance; implemented monitoring, scripting, and imaging tools to reduce support delays and extend hardware lifespan.
- Authored IT policies and strategic plans, supported secure systems through self-initiated penetration testing education, and collaborated with remote IT on complex networking and server troubleshooting, ensuring operational continuity and improved infrastructure resilience.
- Mentored students through voluntary coaching in cybersecurity competitions, coding, and robotics; supervised community volunteers in tech projects, building future talent pipelines and promoting technology engagement.

Munitions Systems Specialist

United States Air Force **08/2000 - 08/2006**

- Directed over 30 complex munitions operations with 2–5 person teams, overseeing transport, assembly, and testing of high valued defense systems, while ensuring safety, compliance, and mission readiness.

- Managed and scheduled maintenance workflows for 10+ personnel and 3 direct reports; authored and maintained policy documentation, inventories, and reports, earning audit commendations for operational excellence and documentation accuracy.
- Coordinated cross-agency efforts and collaborated with senior leadership to uphold facility safety standards, equipment integrity, and logistical support, including safe operation of forklifts and 20-ton transport vehicles.

EDUCATION

Master of Science (M.S.) in Information Security and Assurance
Western Governors University 01/2010 - 12/2012

Bachelor of Science (B.S.) in Computer and Information Technology (Minor: Business Administration)
University of Maryland Global Campus 01/2001 - 12/2007

CERTIFICATIONS

Certified Information Systems Security Professional (CISSP) 03/2022 - 03/2028

GIAC Cloud Penetration Tester (GCPN) 02/2024 - 02/2028

GIAC Foundational Cybersecurity Technologies (GFACT) 05/2023 - 05/2027

Certified Computer Hacking Forensic Investigator (CHFI) 12/2011 - 12/2026

Certified Ethical Hacker (CEH) 07/2011 - 12/2026

CompTIA Network+ 11/2010 - Present