Dr. Marcelo Peredo

Doctor in Information Assurance

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Clearance: Secret, FBI

Summary of qualifications

Dr. Peredo has extensive experience as a technology leader and in the areas of public service, information management, security, software engineering, and program management. Currently Dr. Peredo is leading a startup company as an entrepreneur. In prior roles, Dr. Peredo supported the City of San Jose as the CISO with a $4 million budget. He also supported the County of San Diego $1.2-billion-dollar account as CISO. Dr. Peredo worked at the Federal Bureau of Investigation (FBI) as a Project Manager providing ISSO support to field offices across the country with a budget of $90 million per year. Dr. Peredo also worked at the United States Secret Service (USSS) as the Project Manager for the Information Systems Security Officer (ISSO) support team under the CISO where he won the ISSO of the year award. Dr. Peredo has also served as DHS FISMA Inventory Management System team lead at the Department of Homeland Security (DHS) under the Office of the Chief Information Officer (OCIO). He was responsible for defining new processes, optimizing existing ones, as well as implementing innovative supporting technologies to manage the DHS-IT Inventory more efficiently. Other organizations include TSA, HUD, and the DC Government; Dr. Peredo has engineered several applications using state-of-the-art technology for various industries. Dr. Peredo possesses the ability to build and manage IT teams providing strong leadership and delivery of products and services on time and within budget in complex heterogeneous environments. Vast experience in all types of systems makes him an ideal candidate to quickly learn the technical aspects of any organization's systems and how they fit the overall function, strategy, mission, and goals.

Experience

Advanced AI/Digital strategies
Oct 2024 to Present
Chief Information Security Officer (CISO)

- Founded Cybersecurity / Artificial Intelligence consulting firm in Silicon Valley.
- Developed Strategic Plan.
- Developed Roadmap
- Developed Cybersecurity Services portfolio based on market analysis.
- Developed short, medium, and long-term goals.
- Built strategic partnerships.
- Developed a Governance Risk and Compliance prototype leveraging an agentic AI platform.

City of San Jose
April 2018 to October 2024
Chief Information Security Officer (CISO)
Assistant Chief Information Officer (ACIO)

- Implemented a Cybersecurity Program from the ground up.
- Matured the Cybersecurity Program year over year.
- Implemented a Cyber Risk Governance committee.
- Won Digital Cities award two consecutive years 2020 and 2021.
- Won the Cybersecurity of the year award in 2019.
- Reviewed and validated architecture designs for hundreds of systems.
- Reviewed and validated all IT purchases.
- Attended leadership academy program led by Colin Powel.
- Presented at the Smart Cities CIO summit at Harvard University.
- Co-Founded the Coalition of City CISOs with members across the country.
- Implemented a fully functional Virtual Security Operations Center with Threat Intelligence Integration.
- Led the largest City procurement effort with over 220 vendor solutions reviews.
- Implemented and matured NISTS-CSF encompassing the entire portfolio of systems and networks.
  - Regulatory alignment (NIST,ISO, HIPAA, CJIS, etc)
  - Risk quantification and prioritization
  - Audit readiness and remediation
  - Data privacy strategy
  - Third-party risk oversight
  - Governance, Risk, and Compliance
- Led the implementation of the city resiliency strategic plans encompassing Incident Response Plans, Disaster Recovery Plans, Business Impact Analysis, and Cyber Drills as well as the Strategic Security Roadmap.
- Responsible for all aspects of Cybersecurity for all systems in all departments.
  - Zero Trust Architecture
  - Cloud Security Posture Management
  - Identity and Access Management
  - SIEM & SOAR implementation
  - Endpoint Detection & Response implementation
  - Vulnerability Lifecycle Management
- Full institutional knowledge of people, culture, business functions, and technical aspects of the IT systems across all departments.
  - Security culture transformation
  - Cross-functional collaboration
  - Talent development
  - Incident Response leadership
  - Change management champion
- Led IT presentations to large audiences with technical and non-technical backgrounds.
- Innovation and business enablement
  - AI-Driven threat modeling
  - Secure Digital Transformation
  - Business-aligned Security Strategy
  - Cybersecurity Advisory Board

- Managed ~$24M budget over 6 years.

DXC Technology
April 2015 to January 2018
Chief Information Security Officer (CISO) County of San Diego account
- Worked every aspect of the IT Security RFP Response for County of San Diego
- Secured over 400 systems that include core business supporting Finance, Accounting, HR/Payroll/Benefits, Business Intelligence and Mobile. Additionally, my expertise/knowledge in Mobile devices is further supported by Doctoral dissertation efforts focusing in Mobile Device Management.
- Responsible for strategic leadership of County of San Diego security program.
- Responsible for the creation and maintenance of the IT Security Roadmap and execution.
- Reported security posture and strategic security plan to San Diego County CIO.
- IT Security Policies and procedures development and upkeep.
- Implemented risk management practices based on current risk factors and needs.
- Implementation of a NIST based Risk Management Framework for compliance.
- Developed dashboard capabilities based on NIST standards.
- Oversight of all aspects of IT Security.
- Provided strategic risk guidance to DXC team as well as to County CISO.
- Developed and implemented Risk Assessment methodology.
- Reported and maintained an IT Security Maturity model.
- Continuous process improvements across all aspects of the security program.
- Provided NIST based guidance on all aspects of the security program.
- Instrumental in the delivery and implementation of a custom Governance Risk and Compliance tool.
- Developed the CoSD Risk Management guide.
- Developed all artifacts for the CoSD RMF.
- Provided training and guidance to security staff on RMF, NIST, and the CoSD implementation.
- Developed and maintained an Enterprise wide Risk Register.
- Responsible for compliance with HIPAA, CJIS, IRS, State of California, Privacy, and PCI rules and regulations.
- Assembled and guided team of IT security experts
- Created a strategic plan for the deployment of information security technologies and program enhancements
- Ensured development of (and ensure compliance with) corporate security policies, standards and procedures
- Integrated IT systems development with security policies and information protection strategies
- Collaborated with key stakeholders to establish an IT security risk management program
- Audited existing systems and provided comprehensive risk assessments
- Anticipated new security threats and stay-up-to-date with evolving infrastructures
- Prioritized and allocate security resources correctly and efficiently in conjunction with Security Delivery Manager
- Prepared financial forecasts for security operations and proper maintenance cover for security assets during proposal efforts
- Worked with senior management to ensure IT security protection policies are being implemented, reviewed, maintained and governed effectively
- Spearheaded education programs focused on user awareness and security compliance

Hewlett Packard / Hewlett Packard Enterprises
July 2011 to April 2015
Customer Project/Program Manager

Federal Bureau of Investigations (FBI), Security Division, Information Systems Security Unit

- Managed ISSO teams supporting a portfolio of all FBI field offices and Enterprise Systems. Ensured that all goals and objectives were met as well as provided technical advice, planning, staff management, and directing all aspects of the operations.
- Secured over 600 systems that include core business supporting Finance, Accounting, HR/Payroll/Benefits, Business Intelligence and Mobile.
- System Discovery across Field Offices. Created a central repository for all project data.
- Established a collaborative approach for data sustainment of system collection process to include data manipulation, analysis, and reporting utilizing Web Services.
- Performed Data Analytics for all IT related incidents and performed root cause analysis in a collaborative manner.
- Supporting a program of 80+ people with several projects in all areas of security.
- Day to day project management of multiple task orders with up to 19 individuals per task order. Management and supervision of employees in all labor categories within the program.
- Contract deliverables such as quarterly program reviews, monthly status reports, and weekly status reports.
- Subject Matter Expertise in all areas of IT Security with emphasis on risk management, complex technical heterogeneous environments, problem solving, and customer service. In depth knowledge of architectures, networks, and operations.
- Created a SharePoint solution to track artifacts throughout the C&A lifecycle. Solution included data migration from prior system as well as a custom reporting module with a dashboard.
- Created, implemented, and maintained Quality Assurance plan to meet government quality standards. Process entailed the maintenance of a Knowledge Management system providing a mechanism for continuous process improvement.
- Provided direct oversight of Certification and Accreditation team managing Enterprise wide Security Document Deliverables such as SSP, IRP, CP, CPT, ST&E, STR, POA&Ms, ATOs, amongst other documents to include in the C&A Package.
- Complince with FISMA, NIST Guidance, ICD 503, and FBI Certification & Accreditation Handbook.
- Implemented a reporting tool for the IT Solutions Division that*enabled stakeholders to report status of systems, documents, artifacts, as well as project management risks, issues. Solution is currently in use with a dashboard with several canned reports.
- Security Policy Analysis and implementation throughout the field offices. Analyzed ever evolving security requirements that impacted policy, helped implement policy changes, and provided analysis on effectiveness.
- Participated in bringing systems into dynamic Continuous Monitoring utilizing a customized Governance Risk and Compliance tool (COTS). Supported the deployment throughout the pilot phases as well as the enterprise-wide deployment to include training.
- Constant analysis of emerging threats and vulnerabilities impacting the field operations.
- Conducted SA activities for several systems as ISSO, ISSR, and PM.

Kadix / Dynamic Research Corp / Engility
February 2006 to June 2011
Project Manager
June 2010 to July 2011
United States Secret Service (USSS) Office of the Chief Information Security Officer (OCISO) Project Manager/ISSO
- Established an Enterprise Security Program consisting of several project areas such as Training, Incident Response, POA&M management, Vulnerability Management, Inventory Management, System Boundary Definition, System Categorization, Privacy Impact Assessments, Policy Review, Defining Procedures, Contingency Planning, Annual Assessments, and ISSO Support for all FISMA systems in the inventory.
- Additional responsibilities include oversight of ISSO staff, FISMA audit support, C&A, onboarding and departure of staff.

Technical Lead
August 2009 to June 2010
Department of Homeland Security (DHS) Office of the Chief Information Officer (OCIO) FISMA Inventory Management
- Conducted Inventory Site Visits to several agencies under DHS such as USCIS, USICE, USSS, OPS, ISO, and OHA.
- Produced meeting reports as well as Annual Refresh yearly final reports for each agency in which Site Visits were conducted.
- Developed versions 1.4, and 1.5 of the FISMA DB that tracked all DHS IT Systems. Implemented the same versions in the Homeland Secure Data Network (HSDN). This is the classified network under DHS.
- Defined a process to perform DHS-Component inventory audits to validate and verify the current reported IT systems
- Analyzed the "As Is" Inventory Management process and designed the "To Be" process utilizing existing tools and infrastructure at DHS.
- Participated in building the Inventory Management team. Conducted several interviews and identified suitable candidates for the team.

Project Manager
May 2008 to July 2009
Transportation Security Administration (TSA) Staffing Allocation Model (SAM)
- Served as the interface between Kadix and TSA for management and contractual issues.
- Responsible for monthly status reports providing financial data, and project metrics.
- Responsible for project performance, risk management, resource management, day to day operations, project deliverables, quality assurance, information security, and overall client satisfaction.

Technical Lead
February 2007 to April 2008
TSA Staffing Allocation Model (SAM)
- Analyzed and migrated flight information for all US commercial airports for the Transportation Security Administration Staffing Allocation Model.
- Information System Security Officer for TSA Staffing Model and SABRE Applications. Managed Certification & Accreditation process for a new version of each application. Created relevant documents such as CP, CPT, SSP, RA, FIPS199, PIA, etc.

Systems Architect
October 2006 to January 2007
Department of Housing and Urban Development (HUD) Office of the Chief Information Officer (OCIO), eGrants Program
- Participated in creating the modernization strategy for the Housing and Urban Development (HUD) agency shouldering responsibilities with another System Architect and Project Manager.
- Provided Technical Leadership in a Service Oriented Architecture.
- Provided with a roadmap to revamp HUD's information technology infrastructure utilizing existing and emerging technologies.

Systems Architect
June 2006 to October 2006
US Army
- Systems Architect for ARMY CASEST Web planning model that estimates casualties using ASP.Net, Visual Basic.Net, and SQL server with a Service Oriented Architecture.
- Support Engineer for ARMY ASPIRE system using PDAs to report to central repository database over the Internet. Support for Army Bases utilizing the system in several states.

- Created documentation for ARMY ASPIRE application for security certification and accreditation.

Systems Architect
February 2006 to May 2006
Federal Bureau of Investigation (FBI), Consolidated Linguist Automated Support System (CLASS)
- Systems Architect for FBI enterprise application solution using ASP.NET, Visual Basic.NET, SQL Server, and BizFlow.
- Created technical documentation such as the COOP plan, Architecture Diagrams, Collaboration Diagrams, Transition State Diagrams, Class diagrams, Entity Relationship Diagrams, and Interface Prototype.
- Managed the development team to the conclusion of the Foundation Module. The foundation module included the framework of the Enterprise solution performing Access Control, Records Management, Encryption, Audit Trail, and Account Management.

Certifications

- Harnessing AI for Breakthrough Innovation, Stanford University, Graduate School of Business
- Certified Chief Information Security Officer (C|CISO), EC-Council
- Project Management Professional (PMP), Project Management Institute (PMI)
- Certified Information Systems Security Specialist (CISSP), International Systems Security Certification Consortium (ISC)[2]
- Certified Secure Software Lifecycle Professional (CSSLP), International Systems Security Certification Consortium (ISC)[2]
- Certified Information Security Manager (CISM), Information Systems and Control Association (ISACA)
- Certified Information Security Auditor (CISA), Information Systems and Control Association (ISACA)
- Certified Risk and Information System Control (CRISC), Information Systems and Control Association (ISACA)
- Information Systems Security Professional (CNN/NSA 4011)
- Senior Systems Manager (CNN/NSA 4012)

Awards

- **ORBIE Awards – Finalist**
  Issued by the BayArea CISO ORBIE Awards – October 2024

- **Top Global CISO for 2024**
  Issued by Cyber Defense Magazine – July 2024

- **Digital Cities – Second Place 2024**
  Issued by the Center for Digital Government – November 2024
  Associated with the City of San Jose

- **Digital Cities – Second Place 2023**
  Issued by the Center for Digital Government – Nov 2023
  Associated with the City of San Jose

- **CISOs Connect C100 Award 2023**
  Issued by CISOs connect – Jul 2023

- **Digital Cities – First Place 2021**
  Issued by the Center for Digital Government – Nov 2021
  Associated with the City of San Jose

- **Digital Cities – First Place 2020**
  Issued by the Center for Digital Government – Nov 2020
  Associated with the City of San Jose

- **LocalSmart Cybersecurity Leader of the year 2020**
  Issued by StateScoop – April 2020

- **Knowledge Award**
  Issued by the Federal Bureau of Investigation – Jun 2012
  Link not available. Information not online.

- **Cybersecurity Policy Fellowship**
  Issued by the University of Fairfax – Nov 2011
  Link not available. Information not online.

- **Information Systems Security Officer of the Year**
  Issued by the United States Secret Service – Jan 2010
  Link not available. Information not online.