

Amjad Mehmood

MSc Computer Science, Doctor of Business Administration (Scholar), CCISO, CISSP, CISM, CISA, CGEIT, CDE, PCI-DSS QSA, Microsoft Cybersecurity Architect Expert

PROFILE

Strategic leadership, Risk Advisory, Governance, Risk & Compliance Management, Strategy, Policy Development, Audit, Multi-Cloud Security, Cyber Program, Stakeholder Engagement, Budget Management

Strategic and results-oriented cybersecurity executive with over 25 years of management experience directing enterprise-wide cyber programs within complex, large-scale government environments. Proven expertise in developing and implementing robust cyber strategies, managing multi-million-dollar budgets, and fostering critical stakeholder engagement across city agencies and corporations. A transformative leader dedicated to enhancing cyber posture through strategic policy, proactive risk management, and service delivery excellence.

Security clearance: **PWGSC Enhance Reliability**

AREAS OF EXPERTISE

Strategic & Leadership:

- Cyber Security Strategy & Program Development
- Strategic Leadership & Transformation
- Policy, Standard & Guideline Development
- Stakeholder Engagement & Relationship Management
- Team Leadership & Mentoring
- Service Delivery Management & SLAs
- Multi-functional teams and stakeholder Management

Financial & Procurement:

- Multi-Million Dollar Budget Management
- Strategic Sourcing & Procurement
- Financial Controls & Reporting
- Capital & Operating Budget Planning

Technical & Operational:

- Cyber Risk Management & Threat Analysis
- Endpoint Security Management (CrowdStrike, Symantec, McAfee, Microsoft Defender)
- Cyber Data Analytics
- Audit & Compliance Standards (e.g., ISO 27001, NIST, SOC2, HIPPA, PCI-DSS)
- Incident Response Leadership
- Multi Cloud (Azure, AWS, GCP) Zero-trust, applications security architecture design, deployment and management

Interpersonal & Communication:

- Executive-Level Communication & Presentation
- Negotiation & Persuasion
- Complex Problem-Solving & Decision Making

PROFESSIONAL EXPERIENCE

Peel Regional Police

Senior Cloud Security Architect (Contractor)

September 2024 – July 2025

Strategic Leadership & Program Development:

- Spearheaded the architecture and implementation of a comprehensive, enterprise-wide cybersecurity program for a major project, improving the overall security posture by 50% as measured by PBMM and NIST 800-53 Rev5."
- Developed and enforced a suite of cyber policies, standards, and guidelines that aligned with strategic goals and industry best practices like NIST 2.0 and ISO.

Audit:

Performed Cloud Security assessment and identified security gaps, presented findings to the Management, and provided a remediation plan based on the severity levels.

Stakeholder & Cyber Engagement:

- Championed the cyber security mandate by building and maintaining strategic relationships with leaders across three agencies, corporations, and external partners, ensuring unified adoption of security initiatives."
- Developed and launched an organization-wide cyber awareness and engagement program, resulting in a 80% reduction in successful phishing attempts and improved security hygiene.

Technical

Designed Zero Trust Secure Cloud Security Architecture based on PBMM, NIST 800-53 R5, CIS, and Azure security benchmarks. Including:

- Web Application Firewall (WAF)
- Microsoft Defender for Cloud
- CrowdStrike for endpoints
- Azure Sentinel
- Azure Monitor
- Palo Alto Firewalls
- Prisma Cloud

Financial & Procurement Management:

- Directed divisional procurement activities, managing a \$67M annual budget and leading contract negotiations that resulted in \$8M in cost savings/avoidance."
- Ensured 100% compliance with PRP financial controls and budget processes for all technology and security expenditures.

Team & Service Delivery Management:

- Provided direct leadership to a team of 23, overseeing Strategic Sourcing, Transformation, and Cyber Service Delivery, improving team performance and service quality.
- Established and monitored Service Level Agreements (SLAs) for all cyber services delivered from the CISO office, achieving and maintaining a 83% service quality rating."

KPMG Canada

Cloud Security Advisor (April 2024- September 2024)

- Designed and implemented a government-focused cybersecurity program aligned with NIST CSF v2, CMMC, NIST 800-53, 800-171, 800-172, ITSG-33 compliance.
- Led Cloud Security assessment and remediation.
- Design Cloud Security Standard controls for multi-cloud and DevSec environments.
- Led Microsoft Purview information protection solution for the Global platform.
- Led Security Operations Center Modernization project
- Designed and implemented CSPM solution for KPMG Global and member firms.

Kyndryl Canada

Associate Director - Customer Technical Solutioner (Sept 2021- April 2024)

- Engineering, "designing," "building," and "implementing" specific architectural solutions for numerous IT security and compliance solutions for diverse industries (Government of Canada, Air Canada, financial sector, Healthcare)
- Expertise in secure enterprise architecture design including Zero Trust principles, Assessment and Authorization (SA&A), CMMC 2.0 (NIST frameworks 800-53, 800-171, 800-172), cloud security, managed security operations, mainframe and GRC automation tools (Archer).
- Proven track record in designing and presenting security solutions for pre-sales, consulting, and resiliency offerings security & compliance best practices.
- Leading business development and partner management
- Designed and implemented Government focused cybersecurity program aligned with NIST CSF v2, CMMC, NIST 800-53, 800-171, 800-172, ITSG-33 compliance.
- Risk identification, analysis, mitigation strategies, and the development/maintenance of risk management frameworks for the Government of Canada projects.
- Led the integration of SecOps principles into government cybersecurity operations, leveraging automation and AI-based tools to enhance threat detection and response best practices.
- Partnered with government agencies to ensure alignment of cybersecurity initiatives and broader provincial cybersecurity strategies.
- Presented cybersecurity recommendations and best practices to the Government, cybersecurity departments, and other relevant stakeholders to build buy-in and streamline adoption.

Focus Area 2: Project Success & Impact

- Served as virtual Chief Information Security Officer (vCISO) for a financial client.
- Successfully solutioned 68 security projects over 2.9 years.
- Solutioner for the G10 (10M+) deals.

Focus Area 3: Compliance Expertise

- Deep knowledge of compliance frameworks, including PCI DSS, ITSG-33, SOC 2, ISO 27K, NIST CSF, NIST 800 series, and GDPR.

- Developed security policies, procedures, guidelines, and baselines based on the NIST CSF, 800-53, 800-171, 800-172, ISO 27001/2, and other security frameworks.
- Demonstrated experience with internal PCI assessment for BNC Mainframe compliance.
- Delivered compelling cybersecurity posture reports, including KPIs and patch compliance metrics, to the Board of Directors and executive leadership.
- Developed and implemented a risk management framework aligned with NIST guidelines, streamlining risk identification and response processes across the organization.
- Conducted security architecture reviews for 13 cloud and on-premises projects, ensuring secure design, implementation, and alignment with industry standards.
- Performed in-depth contract reviews for 20 external vendors, identifying potential security risks and improving third-party vendor compliance.

Secure Architecture (Cloud & On-Prem):

- Designed and managed security architectures for Azure and AWS cloud deployments and on-premises data centers for the Government of Canada and financial clients.

Government Projects

- **Election Canada**
- **British Columbia Government**
- **Department of Defense**

Other Key Responsibilities

- Partnered on RFP development to secure new business opportunities.
- Provided team leadership and direction.

KPMG Canada

Senior Cloud Security Architect (July 2020- Sept 2021)

Strategic Collaboration & Leadership

- Collaborated directly with CISO, management, clients, and KPMG Global on daily operations.
- Oversaw cloud security initiatives, shaping security practices across member firms.
- Developed security guardrails aligned with key security frameworks (ISO 27K, NIST 800-53, CSA CCM, CIS).

Compliance & Risk Management

- Prepared key metrics (KPIs, KRIs) and risk matrices for strategic decision-making.
- Developed cybersecurity roadmap to guide organizational security posture.
- Managed internal and external audits across diverse frameworks (PCI DSS, ISO 2700x, SOC2, NIST).

Technical Expertise

- Designed secure multi-cloud architectures, ensuring country-specific hosting certification and compliance.
- Developed NIST 800-53 Rev 4 guardrails and checklists for the Architecture Review Board (ARB).
- Conducted Security Access Reviews (SAR) for Business Enablement Service (BES) projects.
- Implemented DevSecOps practices, managed sandbox and production network security.
- Led cloud security projects from inception to completion.
- Endpoints Security management

Government Projects

- Election Canada

Other Key Responsibilities

- Partnered on RFP development to secure new business opportunities.
- Provided team leadership and direction.

MNP LLP

Senior Manager, Compliance and Risk Advisory Services (June 2019- April 2020)

Virtual CISO Expertise (Financial Sector)

- Served as vCISO for multiple financial clients, providing strategic cybersecurity leadership.
- Conducted PCI DSS SAQ readiness assessments and audits to ensure compliance with industry standards.

Policy & Procedure Development

- Developed robust security policies and procedures aligned with leading frameworks (ISO 27001/2/5, PCI DSS 3.2.1, NIST CSF 1.1).

Risk Assessment & Analysis

- Performed Maturity Threat Analysis (MTA) and Threat Risk Assessment (TRA) using the Open FAIR framework across financial, public, and private sector clients.
- Conducted Building Security in Maturity Model (BSIMM) and OWASP SAMM software security assessments for financial clients.
- Executed NIST CSF 1.1-based security assessments.

Security Advisory & Strategy

- Provided IoT audit and security advisory services.
- Developed cybersecurity roadmaps to guide clients' security improvements.
- Crafted incident management plans for effective response and recovery.
- Supported RFP development to secure new business opportunities.

Government Projects

- Manitoba Government (Security Assessment and Managed Security Services)

- Alberta Government
- Ontario Cannabis (PCI Audit)

Relationship Management

- Built strong relationships with stakeholders, partners, and client leadership.
- Presented cybersecurity insights and recommendations to C-suite executives.

Deloitte Canada

Leader, Risk Advisory

(August 2017- May 2019)

Leadership Roles

- **Director, Cybersecurity and ICS Projects, Husky Energy:** Managed Enterprise IT, cybersecurity and industrial control systems, including:
 - Implemented ISO 27001/2 solutions, developed NIST-aligned policies and procedures.
 - Managed ICS and PCI environment security operations.
 - Coordinated assets inventory, risk assessments, and patch management.
 - Facilitated PCI and ISO audits.
- **Cyber Intelligent Center Account Manager, Deloitte:**
 - Led client onboarding projects for the managed security operations.

Technical Expertise

- **Project Management:** Proven experience in Deloitte PMO and deploying Privileged Access Management (PAM) projects for major clients (TD, CIBC).
- **Cloud Security:** Managed security implementation for Deloitte Canada Managed Cloud Services; Expertise in AWS, Microsoft Azure.
- **Security Tools & Frameworks:** SME in Cisco, Palo Alto NGFWs, Advance Traps, CyberArk PAM, McAfee, Symantec solutions, along with risk assessment and BCP auditing.
- **SIEM Implementation:** Completed 5 SIEM onboarding projects for CIC.

Government Projects:

- Canadian Border Security Services
- Department of Defense

Additional Responsibilities

- Relationship management for the clients.
- Collaborated directly with senior management.
- Provided leadership and direction to security teams.

Bell Canada - BBM

Senior Security Architect

(June 2014 – August 2017)

Client Relationship & Solution Leadership

- Served as Account Manager for Innovapost, TD, and CIBC, fostering strong business relationships.
- Led security architect teams for Microsoft, RedHat, and Micro Focus IAM solutions, guiding technical strategy.

SIEM Expertise & Implementation

- Designed and implemented SIEM solutions with Micro Focus ArcSight and McAfee Nitro for major clients (TD, CIBC, Innovapost).
- Developed use cases, response workflows, architecture diagrams, sizing guidelines, and customized reports to enhance SIEM implementations.

Risk Management & Compliance

- Designed and implemented risk management controls, ensuring compliance with ISO 27001-2013 and PCI-DSS.
- Researched and integrated threat feeds to optimize SOC operations.

Sales & Solution Support

- Collaborated with Bell's Product Management and Sales teams to identify SIEM requirements and design tailored managed security solutions for RFPs.
- Provided technical expertise throughout the sales cycle, including demos, scope meetings, and architecture design.

Government Projects:

- Department of Defense

Exordium Networks Inc. USA

Director Cybersecurity & IT Operations (Sep 2007 – May 2014)

Exordium Networks Inc. is a Managed IT Service Provider (MSP) and a consulting company providing hosted, on-premises VOIP, Managed IT and security services for 400+ corporate clients in the USA, Canada, United Kingdom, India and Pakistan.

Security Policy & Risk Management

- Developed policies, standards, procedures, and guidelines to ensure regulatory compliance.
- Conducted Threat Risk Assessments (TRA), Business Impact Analyses (BIA), and security risk assessments for diverse clients.

Identity & Access Management (IAM)

- Designed, implemented, and managed Microsoft, RedHat, and ManageEngine IAM solutions.

Security Architecture & Compliance

- Designed solutions aligned with ISO 27001-2013, SOX, HIPAA, and PCI-DSS for various sectors (finance, education, healthcare).

Network Security & Infrastructure

- Designed data centers and cloud landing zones with high availability
- Implemented and managed firewalls, endpoint protection, IDS/IPS, VPN, and other security tools (Cisco, Palo Alto, McAfee, Symantec, etc.).
- Designed and administered infrastructure for data centers and client organizations (VMWare, IBM, RedHat, Windows, Exchange, Cisco UC, etc.).

Vulnerability Assessment & Incident Response

- Conducted vulnerability assessments, penetration testing, and security audits.
- Investigated incidents, recommended corrective actions, managed escalation, and monitored security events.

Additional Expertise

- Managed PKI infrastructure, including certificate management with various CAs.
- Established ITIL V3-based support center for incident, problem, and change management.
- Provided technical leadership, supervised teams, offered 3rd level support, and mentored staff/community members.

Advance Engineering & Research Organization

Manager IT and Telecom (2002- August 2007)

Security Policy & Leadership

- Developed robust security policies, standards, and guidelines aligned with ISO 27001 frameworks.
- Successfully managed and delivered projects for the Pakistan Air Force, meeting both timeline and budget constraints.

Project & Team Management

- Led cross-functional project teams, including engineers, cybersecurity specialists, business analysts, QA, DBAs, architects, and developers.

Network & Security Architecture

- Designed defense-in-depth security architecture, incorporating incident response, patch management, antivirus triage, compliance, intrusion detection, and vulnerability scanning.
- Planned, designed, implemented, and managed a 50,000-node fiber-optic network, including establishing a new data center (Cisco, Dell, IDS/IPS, VPN, firewalls, SANs, Windows, Exchange, SQL, Oracle, Red Hat, Trend Micro, McAfee).

Additional Responsibilities

- Established and managed a PKI infrastructure for server and client device certificates.
- Created an internal Internet services department to support the enterprise.
- Provided technical support across various departments.
- Prepared and delivered technical briefings to senior leadership.

EDUCATION

- Doctor of Business Administration | 2023 – 2025 | Golden Gate University, USA
- Master of Computer Science | 2002 | MIU, Islamabad Pakistan

CERTIFICATIONS

- Microsoft copilot for security | 2024 | Microsoft
- Azure Cybersecurity Architect Expert [2022] Microsoft
- PCI Security | 2019 | PCI-DSS QSA
- CyberArk Defender Certification | 2018 | CyberArk
- CISM | 2017 | ISACA
- McAfee Certified Product Specialist — EPO | 2015 | McAfee
- Server Virtualization and System Center | 2014 | Microsoft
- CISSP (Member Number: 115863) | 2010 | ISC2 <https://www.isc2.org>
- CISA (Certification Number: 0972247) | 2009 | ISACA <http://www.isaca.org>
- CGEIT (Certification Number: 0903113) | 2009 | ISACA <http://www.isaca.org>
- MCSE | 2000 | Microsoft

PROFESSIONAL TRAINING

- Project Management Professional (PMP)
- Cisco Certified Internetwork Expert (R&S) (CCIE)
- Cisco Certified Internetwork Expert (CCIE Voice)
- Cisco Certified Internetwork Expert (CCIE Security)
- Symantec CASB/ DLP
- HPE ArcSight

PROFESSIONAL MEMBERSHIPS

- PMI member since 2010
- ISACA member since 2009
- ISC2 member since 2010