

Nilufar Farokh - Mehr, PMP, CISSP

SENIOR TECHNICAL PROGRAM & PRODUCT MANAGER - CYBERSECURITY | PRODUCT SECURITY | SECURITY ARCHITECT

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PROFESSIONAL SUMMARY

CISSP and PMP certified Senior Technical Program Manager with over 12 years of experience leading large-scale security programs in enterprise environments. Proven expertise in Identity and Access Management, cloud security, and risk management, with a strong ability to align technical program delivery with business objectives. Adept at fostering cross-functional collaboration to implement innovative technologies and drive compliance with industry standards.

- Extensive experience in driving vision, strategy, and execution to implement multimillion-dollar cybersecurity projects on time and within budget, establishing world-class cybersecurity infrastructure and controls that won awards and executive-level recognition.
- Excels in training global teams on Agile methodologies and cybersecurity best practices and integrating Lean tools and metrics to streamline the project lifecycle and facilitate effective problem-solving, process improvement, and risk mitigation
- Deep expertise in conducting thorough evaluations of various security products, advising executive leaders, and collaborating with cross-functional teams to assess and select solutions aligned with business requirements, driving successful solutions delivery.

AREAS OF EXPERTISE

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|----------------------------------|----------------------------------|---------------------------------|
| • Strategic Planning & Direction | • Compliance & Policy Management | • Program Life Cycle Management |
| • Program & Project Management | • Security Operation Center | • Cloud Security/DevSecOps |
| • Cybersecurity Frameworks | • Threat Analysis | • Vulnerability Management |
| • Risk Management | • Budget & Financial Management | • Security Audits & Assessments |
| • Security Architecture | • Stakeholder Management | • Incident response |

CAREER HIGHLIGHTS

- **Led the OneOps Security framework project** at Walmart eCommerce, establishing controls for security enforcement in PaaS platforms and assemblies that **won the Information Security Executive (ISE) West Award for 2017**.
- **Improved Walmart Global markets' security audit score by 20%** in 2019 via the implementation of rigorous security measures and strategic improvements and successfully led the launching of the **Demo Drive Program** at Rivian.
- Collaborated with the finance team, spend control tower, and purchasing teams at Rivian on **cost optimization strategies**, achieving software **cost savings of \$20M+** in July 2024.
- Launched Rivian's Pin-to-Drive program, adding security to prevent relay attacks; showcased at DevCon.

PROFESSIONAL EXPERIENCE

RIVIAN AUTOMOTIVE, Palo Alto, CA

Staff Technical Program Manager, Cybersecurity

Aug 2020 to Sep 2024

- Oversaw the planning, implementation, monitoring, and communication of Rivian Digital programs and enterprise-level cybersecurity initiatives, ensuring alignment with strategic goals and security standards across the organization.
- Led the development and implementation of RBAC for microservices across Rivian OS, automating role assignments to enhance efficiency and compliance with SOC II and SOX.
- Led the implementation and management of security measures for public cloud environments, ensuring compliance with industry standards and best practices.
- Guided Rivian's Digital Technology and UX Design teams to ensure that all phases of the Rivian OS platform met milestone requirements, including design output, technical architecture, security, and privacy requirements.
- Developed a cybersecurity program framework for Application Security, Vulnerability Management, Operational Technology, and Endpoint Security groups, managing dependencies across IT and Digital programs while identifying and mitigating risks.
- Designed and executed a comprehensive vulnerability management program, reducing remediation time through orchestration tools and cross-team coordination.
- Led the implementation of an advanced vulnerability management orchestration tool, streamlining the identification, assessment, and remediation of security vulnerabilities across the organization's technology landscape.
- Partnered with internal audit and compliance teams to ensure readiness for SEC disclosures and enforced preventive controls across the organization.

WALMART E-COMMERCE, San Bruno, CA

Senior Technical Program Manager, Information Security

Jan 2016 to Aug 2020

- Served as the principal strategist for IT security processes, overseeing an extensive portfolio encompassing information security engineering, network security, and risk management to support global technical teams and enhance overall security posture.
- Spearheaded the implementation of the OneOps Security Framework, winning the ISE West Award for innovative security controls in a multi-cloud environment.
- Developed and implemented a security awareness maturity framework for Walmart's international markets, including Japan, Central America, Mexico, China, Argentina, and South Africa, while conducting NIST (RMF) for US merger and acquisition markets.
- Oversaw the entire life cycle of multiple projects, such as migrating on-premises applications to the cloud, deploying global two-factor authentication, and executing a major scrubbing center change to prevent application-level DDOS attacks proactively.
- Led strategic planning efforts in collaboration with executive stakeholders, mentoring and training diverse cross-functional teams to drive security initiatives and elevate IT threat mitigation strategies across departments.

TELUS COMMUNICATIONS, Toronto, Canada

Senior IT Project Manager, Information Protection Centre

Feb 2012 to Jan 2016

- Drove concurrent projects and programs focusing on software and network security infrastructure within the organization, progressing through increasingly complex roles over time.
- Implemented various project management methodologies, including Waterfall, Iterative, Incremental, and Agile, to drive successful project outcomes and adapt to evolving needs.
- Led a major server and virtual firewall replacement initiative across TELUS national data centers, spearheading programs to enhance security measures and mitigate cyber-attacks.

Technical Project Manager

July 2011 to Feb 2012

- Spearheaded the release schedule, defined quality parameters, evaluated risk factors, devised effective risk mitigation strategies, and collaborated with stakeholders from various divisions to ensure project success and readiness for release.
- Earned recognition for transforming and revamping the IT governance process by introducing LEAN architecture principles and fostering the development of cross-functional teams.

Senior System Quality Assurance Engineer

July 2008 to July 2011

- Evaluated and enhanced testing protocols and strategies to ensure adherence to quality assurance standards and regulatory requirements, safeguarding the integrity and reliability of IT projects.

ADDITIONAL EXPERIENCE

System Engineer | Data & Network Engineer | Business Analyst • TELUS COMMUNICATIONS, Toronto, Canada

EDUCATION

Bachelor of Science (BS) in Computer Science • York University • Toronto, Canada

Bachelor of Science (BS) in Applied Physics • Azad University • Tehran, Iran

CERTIFICATIONS AND TRAINING

Certified Information Systems Security Professional (CISSP) (#524805) • ISC2 • 2024

Certified Agile Practitioner (Cert. APM) (#001-2012-1135) • Portfolio Management Association of Canada (PMAC) • 2012

Project Management Professional (PMP) (#1343852) • Project Management Institute • 2010

AFFILIATIONS

Mentor | Member | Society of Woman Engineers (SWE), UC Berkeley

TECHNICAL EXPERTISE

Languages / Databases: SQL | Java | C | C++ | HTML | CSS | Linux

Configuration Management: Ansible, Terraform | **Containerization:** Docker, Kubernetes | **Version Control & CI/CD:** Jenkins

Vulnerability Management: Brinqa, Skybox | **Privacy & Compliance Tools:** One Trust | **Monitoring & Analysis:** Splunk, Rootly, Hex

IT Service Management: ServiceNow, Jira, Confluence | **Automation Tools:** Torq | **Visualization & Reporting:** Tableau, Adobe Suite

| **Operating Systems/Platforms:** QNX, SAP | **Productivity Tools:** Microsoft Office Suite (Advanced Excel)