

# Aditya Vignesh Ram G K

Senior IT/OT Security Manager | IEC 62443 & NIST 800-82 Specialist

Specializing in IEC 62443, Risk Management, and Large-Scale Digital Transformation Delivery

+971568804898 ◇ [adityavr90@gmail.com](mailto:adityavr90@gmail.com) ◇ Dubai, United Arab Emirates

## SUMMARY

---

IT/OT Cybersecurity Program Lead and OT Specialist with 10+ years of cross-functional experience at Big 4 firms (KPMG, PwC) specializing in securing large-scale Industrial Control Systems (ICS) and Operational Technology (OT). Proven track record directing multimillion-dollar security programs and risk assessments across 60+ critical infrastructure sites in the UAE/KSA. Expert in aligning global standards (IEC 62443, NIST 800-82) with regional regulatory requirements (UAE IA, NCA ECC) to deliver board-level insights and grid resilience.

## WORK EXPERIENCE

---

**IT/OT Cyber Security Manager** Sep '22 — Present *KPMG Lower Gulf, Dubai, United Arab Emirates*

At KPMG, I served as OT Cybersecurity Manager, leading and managing complex, large-scale assessments and project delivery across critical infrastructure clients in the Middle East. My work spanned risk-based OT security assessments, vulnerability management, and board-level reporting. I collaborated with cross-functional teams, mentored junior staff, and managed multimillion-dollar projects—ensuring strategic alignment with enterprise security and compliance goals.

- **Led Risk-Based Cybersecurity Assessments:** Managed the PMO for a multimillion-dollar cybersecurity portfolio, overseeing financial tracking, resource allocation (10+ staff), and vendor deliverables to ensure 100% on-time project completion
- **Directed the PMO unit in conducting OT cybersecurity assessments across 60+ sites** for the largest oil & gas company in the UAE, using a custom Unified Control Framework and delivering executive-level risk reports and cybersecurity dashboards to inform board-level decisions, ensuring alignment with governance and compliance requirements.
- **Directed a high-stakes IT/OT cybersecurity assessment** and transformation roadmap for a major UAE Air Navigation entity, identifying gaps in critical airport ecosystem systems and ensuring compliance with international aviation safety standards
- **Identified Critical Vulnerabilities & Developed Remediation Plans:** Pinpointed security gaps in OT systems, providing actionable recommendations to ensure compliance with standards like NIST CSF and IEC 62443, enhancing regulatory compliance and risk management strategies.
- **Collaborated Across Stakeholders:** Partnered with IT, OT operations, and engineering teams to address audit findings, ensuring alignment with business objectives and effective resolution of security issues, fostering cross-functional collaboration.
- **Defined and tracked key security KPIs**, aligning with ISO 27001 and regulatory goals.
- **Led ISO 27001 audit readiness initiatives**, ensuring continual compliance and internal policy enforcement.
- **Recommended Enhancements to OT Security Posture:** Advised on integrating nextgeneration security tools and frameworks to drive continuous improvements in cybersecurity practices, supporting risk mitigation and compliance monitoring.
- **Mentored and Developed Teams:** Guided and mentored a cross-functional team, fostering a culture of accountability, innovation, and continuous improvement, aligned with corporate governance principles.
- **Oversaw Multi-Million-Dollar Cybersecurity Projects:** Managed end-to-end delivery of large-scale cybersecurity consulting projects, including financial tracking, budgeting, and resource allocation to ensure timely completion within scope and cost constraints, reinforcing business continuity and disaster recovery measures.

**Cyber Security Manager** Sep '15 — Sep '22 *PwC Middle East, Dubai, United Arab Emirates*

During my tenure at PwC, I progressed from Associate to Manager, delivering end-to-end cybersecurity services across IT and OT environments. I conducted high-impact global OT security assessments, risk-based audits, and red team testing for major clients across sectors like government, finance, and manufacturing. I developed actionable recommendations to enhance resilience and align with regional and international standards, working closely with senior leadership to ensure strategic alignment. I also developed cybersecurity strategies and frameworks, mentored junior staff, and championed a culture of continuous learning and innovation.

- **Led High-Impact OT Security Assessments:** Conducted comprehensive OT security assessments for a leading chemical manufacturer, developing technical checklists, custom scripts, and automated configuration

reviews to ensure compliance with regional and international regulations, enhancing cybersecurity compliance and oversight.

- **Delivered Risk-Based Cybersecurity Audits:** Conducted detailed risk-based cybersecurity audits across IT and OT environments for major clients, identifying vulnerabilities in networks, applications, and cloud infrastructures, and recommending improvements to mitigate risks, aligning with risk compliance and management frameworks.
- **Actionable Recommendations for Security Improvements:** Provided clear, actionable recommendations to address audit findings, enhancing cybersecurity resilience across industries such as government, finance, and manufacturing, ensuring compliance with governance and regulatory standards.
- **Collaborated with Senior Leadership:** Partnered with senior leadership to present audit findings and insights, ensuring alignment with organizational goals and driving improvements in cybersecurity practices, supporting executive leadership and strategy development.
- **Team Leadership & Mentorship:** Mentored junior staff and promoted a culture of continuous learning, accountability, and performance excellence, helping the team achieve and exceed targets, fostering a culture of compliance and ethical business practices.
- **Developed Cybersecurity Strategies & Frameworks:** Crafted comprehensive cybersecurity strategies, roadmaps, and enterprise security architectures for government agencies and financial institutions, ensuring alignment with standards such as ISO 27001, NIST CSF, and regional frameworks like NCA and HCIS, supporting digital governance and compliance audits.
- **Delivered Standards-Based Assessments:** Performed cybersecurity assessments for multiple Middle Eastern organizations, ensuring compliance with global and regional standards including NIST 800-82 and the NIS Directive, emphasizing compliance monitoring and risk tolerance.

EDUCATION

---

Sep '13 — Sep '14

MSc. in Information Security, Royal Holloway, University of London

London, United Kingdom

Graduated with **Distinction and First-Class Honors**

Aug '07 — Sep '11

B.E. in Electronics & Communication Engineering, Syed Ammal Engineering College, Anna University

Tamil Nadu, India

CERTIFICATIONS

---

|                                                                      |         |
|----------------------------------------------------------------------|---------|
| Certified Information Security Manager (CISM)                        | Jun '25 |
| ISO 27001: Lead Implementer, BSI                                     | Dec '16 |
| Certificate of Cloud Security Knowledge v.4, Cloud Security Alliance | May '22 |
| Certified Ethical Hacker (CEH v7), EC-Council                        | Sep '11 |
| G42 Cloud Certified Associate, G42                                   | May '21 |
| Maritime Cybersecurity Essentials, Northeast Maritime Institute      | Aug '23 |
| Diploma in Cyber Law, Asian School of Cyber Laws                     | Jul '12 |
| Getting started in OT/ICS Penetration Testing                        | Aug '25 |
| Nuclear Security Threats and Risks: Cyber Threats (IAEA)             | Sep '25 |
| AI Security Governance (Securiti)                                    | Aug '25 |
| ISA 62443, (In progress)                                             |         |
| PMP (Planned for Q1 2026)                                            |         |

SKILLS

---

Core Expertise:

- IT/OT Security Program Management
- Project Lifecycle Management (Budgeting, Resourcing, Delivery)
- GRC Strategy & Regulatory Compliance (UAE IA, IEC 62443, NIST)
- OT & ICS Security Assessment and Governance
- Cyber Program Design & Board Reporting
- Security Architecture Oversight & Digital Transformation
- Cross-Functional Stakeholder Engagement (Ops, IT, Engineering)
- Team Leadership & Mentorship

**International Standards:** ISA 62443, ISO 27001, NIST 800-82, NIST Cybersecurity Framework, NIST 800-53, ISO 27002, NCA ECC, NCA OTCC, UAE IA, Cyber Assessment Framework (CAF)

**Technical Tools:**Nessus, Nozomi, Claroty, Kali Linux, Wireshark, VirtualBox, BloodHound, BurpSuite, nmap