MICHAEL BOBBITT, CISSP

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PROFESSIONAL OVERVIEW

- Hands-on security technology professional since 1995
- Extensive project and personnel management experience
- Strong understanding of enterprise level security & operations
- Outstanding communication and presentation skills
- Active NATO SECRET clearance
- Patent held for 'Management of certificates for public key infrastructure'
- CIM Level 7 Strategic Management & Leadership Certification (UK)

EXPERIENCE

Cybersecurity & Compliance Manager, Halifax Shipyard (JDI) | 2018-Present

- Built a high-performing team from the ground up to deliver a customized security program
- Cybersecurity and Compliance lead for River Class Destroyer & Arctic Offshore Patrol Ship Programs
- Established Security Program, collaborated with stakeholders to ensure adoption and success
- Stood up new Security Operations team to provide tailored cyber defence capability
- Instituted IT Service Management (ITSM) practices for optimized service delivery
- Provided expert security leadership and guidance across multiple programs and lines of business
- Developed and maintained tailored Risk Management Framework
- Communicated Security Risk to cross-functional senior leaders (Irving, DND, and defence partners)
- Deep understanding of security requirements and control frameworks
- Developed long-term strategy and roadmap through to execution
- Applied Systems Security Engineering principles to create a "Security First" approach to engineering
- Developed agile security strategy to balance GoC security needs against operational requirements
- Led Security Assessment & Authorization (SA&A) on 6 key projects through to successful ATO
- Incident managed response to ransomware outbreaks at partner organizations
- Applied system development lifecycle principles to produce detailed IT system architectures
- Formally trained Alternate Company Security Officer (ACSO) and COMSEC custodian

Senior Officer, Canadian Armed Forces (Primary Reserve) | 1990-Present

- Commanding Officer of an active Army Reserve Infantry regiment
- Exercise Director for multiple 10-day international combined-arms exercises (350 pers, $2.5M budget)
- Operations Officer for Op LASER (COVID-19 response, flooding, and RCMP Mass Shooting investigation)
- Completed Advanced Command and Staff College in Shrivenham, UK
- Graduate of the Leadership in Homeland Security program at Harvard's John F. Kennedy School of Government
- Graduated top third from the Canadian Army Command and Staff College (Army Operations Course)
- Held Command and Staff positions in the Territorial Battalion Group, assisted in Domestic Operations planning

Director of Professional Services, InfoExpress, Inc. | 2003-2018

- Turned broad customer concepts into concrete deliverables for numerous Fortune 100 companies
- Managed Canadian office (Support and Professional Services teams) for a US-based security firm
- Built a widely adopted Managed Security Service program from the ground up
- Developed internal and customer security architectures, seeing them through inception to implementation
- Developed in-house and external training programs for customers, engineers, and partners
- Liaison between customers and engineering team to ensure accurate representation of needs
- Directed offshore team creating detection signatures for patches, AV, and other security products
- Set strategic direction for in-house and customer facing technologies
- Coordinated SE travel based on priority, availability, resource skills and task requirements
- Architected public Support Knowledgebase initiative including:
  - Technotes & documentation
  - Product and policy updates
  - Customer support & discussion forum
- Maintained long term product roadmap and short-term priorities based on real world requirements
- Designed add-ons (often integrated into final product) to support customer specific requirements such as advanced reporting and automated backups

Technical Editor, Information Security Magazine | 2000-2004

Information Security Magazine was a monthly trade publication with a readership of over 300,000. As Technical Editor, I published ten feature articles (including a cover story) detailing a variety of topics from emerging technology trends to policy administration. I also conducted roughly two dozen technical evaluations for the product review section.

Security Manager / Manager, Nortel Networks | 1997-2002

- Managed large, geographically dispersed team of IT professionals
- Developed policies to protect Nortel Networks from liability
- Cut service enrolment time from up to five business days down to under 5 minutes by architecting and delivering a secure self-service model
- Managed the RFP process for multiple enterprise-wide procurements
- Led integration teams for services such as VPN, authentication, firewalls, and PKI
- Collaborated closely with vendors to ensure accurate representation of Nortel's needs
- Evaluated and reported on wireless security of approx. twenty large locations

EDUCATION & CERTIFICATIONS

ISC2 | 2025

Certified Information Systems Security Professional (CISSP)

Harvard's John F. Kennedy School of Government | 2024

Graduate of the Leadership in Homeland Security Program

Chartered Management Institute | 2019

Level 7 Strategic Management & Leadership

Acadia University | 1996

Bachelor of Computer Science (Specialization in Software), University Scholar

ADDITIONAL EXPERIENCE

2002-2003: Consultant, CGI – Ottawa, ON
1996-1997: Project Leader, Mott Community College – Flint, MI, USA
1995-1996: Programmer/Analyst, Acadia University – Wolfville, NS

Mike Bobbitt - Skills & Experience Matrix

Requirement	Type	Organization	Dates	Description
Audit	Experience	J.D. Irving, Ltd.	2018-Present	Responsible for preparing evidence and response packages for various Government of Canada and third-party audits. Worked with auditor during onsite inspections to ensure audits completed promptly. No failed audits/inspections. Responsible for 5 sites including a data centre and including Protected, Controlled, and Classified data.
CISSP (expected)	Knowledge	N/A	Expected September 2025	Currently preparing for CISSP exam in late September 2025
Citrix	Technology	J.D. Irving, Ltd.	2018-Present	Created security architecture for Unclassified and Classified environments leveraging Citrix to establish user access control and data loss prevention.
CMMC / CP-CSC	Experience	J.D. Irving, Ltd.	2020-Present	Conducted Level 1 self-assessment, prepared for Level 2 third-party assessment and Level 3 DND assessment.
Command & Control	Experience	Department of National Defence	1990-Present	Tactical command of 350 personnel, Exercise Director for international Ex MAROON RAIDER, Fort Barfoot, Virginia,2024 & 2025 Operational control of 500 personnel, Op LASER (Pandemic response), 2020
COMSEC	Knowledge	Department of National Defence	2020	Completed COMSEC 101 and Introduction to In-line Network Encryptors training
Continuous Monitoring	Experience	J.D. Irving, Ltd.	2018-Present	Authored, maintained, and implemented Continuous Monitoring Plans for Unclassified and Classified environments supporting the River Class Destroyer Program.
Contract Security Program	Knowledge	J.D. Irving, Ltd.	2018-Present	Alternate Company Security Officer (ACSO) and lead for supporting Contract Security Program and PSPC audits for 5 sites including a Data Centre, production site (Halifax Shipyard), and engineering office spaces.
Controlled Goods	Knowledge	J.D. Irving, Ltd.	2018-Present	Set requirements for Controlled Goods, enforced access to CG material to only those with a positive assessment.
Cross Domain Solutions	Experience	J.D. Irving, Ltd.	2019-Present	Created security architecture and deployed a Cross Domain Solution to protect data moving across Security Domains in an Unclassified environment. Leveraged the CDS for dozens of integrations supporting ship design data moving from high-security PLM into process network machines for steel cutting and manufacturing.
Cyber Tabletop Exercises (CTTX)	Experience	Crypto Logic Canada, Inc.	2021	Developed and ran Cyber scenarios for Ex OCEEAN SAFE VIII (Marine Atlantic)

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Requirement	Type	Organization	Dates	Description
Cyber Tabletop Exercises (CTTX)	Experience	J.D. Irving, Ltd.	2022-Present	Planned and conducted annual CTTX events supporting defence programs.
Disaster Recovery	Experience	J.D. Irving, Ltd.	2018-Present	Compliance Officer for Disaster Recovery tests in 2020, 2021, and 2022. Disaster Recovery Exercise Lead for October 2025 DRX testing over 20 applications in two distinct environments supporting multiple national-level programs. All applications restored, tested, and
Document Safeguarding Capability Audit	Experience	J.D. Irving, Ltd.	2018-Present	Alternate Company Security Officer (ACSO) and lead for PSPC Document Safeguarding audits for 5 sites including a Data Centre, production site (Halifax Shipyard), and engineering office spaces.
Domestic Operations	Experience	Department of National Defence	2011-Present	Officer Commanding an Infantry company during Op LENTUS (domestic response to hurricanes and flooding). Operations Officer for Op LASER, DND's pandemic response operation. Provided daily coordination between military units across Nova Scoria and PEI and with external agencies such as Health Canada and Provincial Government. Coordinated deployment of soldiers and supporting equipment to the RCMP in the immediate aftermath of the Portapique mass shootings.
Incident Response	Knowledge	Harvard University	2024	Attended Critical Incident Management training under the Leadership in Homeland Security Program at Harvard University.
Incident Response	Experience	J.D. Irving, Ltd.	2018-Present	Contributed to Cybersecurity Incident Response Plan and associated Playbooks. Developed response details pertaining to breaches of Controlled Goods, Protected, or Classified data. Participated in quarterly incident response exercises ranging from 20 minute "call in" checks to full-day scenarios.

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Requirement	Type	Organization	Dates	Description
ISO/IEC 27000 (Information Security) series of standards	Experience	J.D. Irving, Ltd.	2018-Present	Supported corporate auditor with third-party ISO/IEC 27001:2022 audit. Lead for producing evidence for JDI defence/shipbuilding business. Participated in pre-audit meetings to ensure local staff were prepared with evidence for their auditor interviews. Produced security and compliance evidence and participated in auditor interview. Audit findings noted regarding system capacity and physical security controls at newly occupied location. Findings corrected and confirmed, audit certification obtained, maintained, and upgraded edition from :2013 to :2022.
IT Service Management (ITSM)	Experience	J.D. Irving, Ltd.	2022-Present	Contributed to and eventually took over development of the System Support Plan detailing how each of the ITIL practice areas are met for the River Class Destroyer Program.
ITSP.80.022 Network Security Zoning	Experience	J.D. Irving, Ltd.	2018-Present	Lead security architect for new unclassified and classified high-security defence networks. Networks were inspected and compliant with ITSG-22 / ITSP.80.022. Managed the team that maintained that certification and expanded zoning footprint across a wider network.
Joint Defence Cloud Program (JDCP)	Knowledge	J.D. Irving, Ltd.	2020-Present	Supported Authority to Operate for Halifax Class Design Agent (HC Dag) project, deployed into JDCP environment. Integrated ATT&CK TTPs into Risk Assessment application used to assess hundreds of changes, new applications, and system designs under the River Class Destroyer program.
Microsoft Copilot AI	Knowledge	J.D. Irving, Ltd.	2025-Present	Participated in security evaluation of Copilot. Documented risks and contributed to corporate policy on AI use.
Military Command & Control (C2) and Communications Information Systems (CIS)	Experience	Department of National Defence	1990-Present	Formally trained in military C2 and CIS by the Canadian Army (Army Operations Course), and UK Ministry of Defence (Advanced Command and Staff College).
MITRE ATT&CK	Knowledge	J.D. Irving, Ltd.	2020-Present	Integrated MITRE ATT&CK into formalized Threat and Risk Assessment (TRA) methodology. Incorporated
NATO SECRET Clearance	Experience	Department of National Defence	1990-Present	Hold valid NATO SECRET clearance with JD Irving and DND

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Requirement	Type	Organization	Dates	Description
Network Security Zoning (ITSP.80.022 & ITSG-38)	Knowledge	J.D. Irving, Ltd.	2018-Present	Produced initial network security zoning and architectures for Unclassified and Classified environments supporting various defence programs. Supervised maintenance and updates to these environments and supporting documentation.
NIST 800-171/172	Knowledge	J.D. Irving, Ltd.	2018-Present	Developed initial System Security Architecture to support Unclassified and Classified environments based on security requirements derived from NIST SP 800-171/2.
Operational Planning Process (OPP)	Experience	Department of National Defence	2011-Present	Trained in the Operational Planning Process (OPP) used to collaboratively create detailed plans for complex operations. Conducted OPP in various roles including multiple Staff positions and as Commander.
Penetration Testing	Experience	J.D. Irving, Ltd.	2018-Present	Produced penetration testing Rules of Engagement and briefed requirements to our third-party pen tester, ensuring adherence throughout Unclassified and Classified pen tests.
Personnel Security Clearance management	Knowledge	J.D. Irving, Ltd.	2018-Present	Alternate Company Security Officer (ACSO)
Plan of Action and Milestones (POAM)	Experience	J.D. Irving, Ltd.	2018-Present	Authored, maintained, and implemented POAM for Unclassified and Classified environments supporting the River Class Destroyer Program.
Project Leadership	Experience	J.D. Irving, Ltd.	2018-Present	Technical and planning lead for various IT Security projects supporting multiple Department of National Defence contracts.
Project Leadership	Experience	Department of National Defence	2011-Present	Lead planner for multi-national exercise involving 350 personnel and a budget of roughly $2.5M.
RCMP HTRA Methodology	Knowledge	Crypto Logic Canada, Inc.	2010	TRA for Health Canada Addictions Management Information System (AMIS)
RCMP HTRA Methodology	Knowledge	J.D. Irving, Ltd.	2018-Present	Created and maintained TRAs for Unclassified and Classified environments supporting RCD, AOPS, HC DAg, and Ship Repair.
RED/Black Separation	Experience	J.D. Irving, Ltd.	2019-Present	Technical advisor on construction of new Security Zone Classified space to ensure all requirements were met. All audits passed on first attempt and Security Zone commissioned on schedule.

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Requirement	Type	Organization	Dates	Description
Risk Assessment	Experience	J.D. Irving, Ltd.	2018-Present	Created and maintained multiple TRAs for defence contracts (AOPS, RCD). Led the team that designed, built, and used a custom Risk Assessment application in the assessment of hundreds of changes, new applications, and system designs for RCD, AOPS, and Ship Repair Programs.
Security Assessment & Authorization (SA&A)	Experience	J.D. Irving, Ltd.	2018-Present	Achieved and subsequently maintained Authority to Operate (ATO) on 6 national projects: 1. River Class Destroyer Unclassified Collaboration Environment (v1), 2019 2. River Class Destroyer Unclassified Collaboration Environment (v2), 2021 3. River Class Destroyer Classified Collaboration Environment, 2022 4. Halifax Class Design Agent (HC DAg), 2021 5. Unclassified Cross-Domain Solution (CDS), 2022 6. Classified network interconnection to DND CSNI,2023
Security Assessment and Interconnection Agreements	Knowledge	J.D. Irving, Ltd.	2018-Present	Authored, maintained, and implemented Security Assessment and Interconnection Agreements for Unclassified and Classified environments supporting the River Class Destroyer Program.
Security CONOPS	Knowledge	J.D. Irving, Ltd.	2018-Present	Authored, maintained, and implemented Security CONOPS for Unclassified and Classified environments supporting the River Class Destroyer Program.
Security Operations (SecOps)	Experience	J.D. Irving, Ltd.	2018-Present	Build custom SecOps team dedicated to defence programs. Led team and created Operating Procedures used for daily monitoring and incident response in Unclassified and Classified environments.
Security Test & Evaluation Plan & Procedures	Experience	J.D. Irving, Ltd.	2018-Present	Developed formally delivered and accepted Security Test & Evaluation Plan & Procedures for both Unclassified and Classified environments. The ST&E Plan document defined the approved methodologies to be used and the high-level outcomes to be achieved through security testing. The Procedures define data and evidence collection standards, validation procedures, and acceptable vs. unacceptable test results.

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Security Zone physical construction	Knowledge	J.D. Irving, Ltd.	2019-Present	Technical advisor on construction of new Security Zone Classified space to ensure all requirements were met. All audits passed on first attempt and Security Zone commissioned on schedule.
Systems Security Architecture	Knowledge	J.D. Irving, Ltd.	2018-Present	Led the team that authored, maintained, and implemented System Security Architecture for Unclassified and Classified environments supporting the River Class Destroyer Program.
Systems Security Engineering	Knowledge	J.D. Irving, Ltd.	2020-Present	Led development of Systems Security Engineering practices based on NIST SP 800-170 Vol. 1. Implemented trustworthy computing by establishing the principles of Security Requirements Definition,
TEMPEST / EMSEC	Knowledge	J.D. Irving, Ltd.	2020-Present	Technical advisor on construction of new EMSEC shielded Security Zone Classified space to ensure all requirements were met. EMSEC survey was passed on first attempt and Security Zone commissioned on schedule.
Tenable	Technology	J.D. Irving, Ltd.	2018-Present	Deployed and configured Tenable in Unclassified and Classified environments supporting RCD, AOPS, and Ship Repair. Managed configuration customization, developed scan schedule matrix, and created custom dashboards and reports. Set weekly cadence and worked with IT Operations to identify and close risks based on their criticality and assessed risk within the context of our environments.
University Bachelor's Degree	Knowledge	Acadia University	1991-1996	Bachelor of Computer Science (specialization in Software), University Scholar
Vulnerability Management	Knowledge	J.D. Irving, Ltd.	2018-Present	Developed custom Vulnerability Management program for new Unclassified and Classified environments supporting the River Class Destroyer Program. Identified key security metrics and produced monthly reports for DND to highlight areas of risk and remediation plans. Drafted risk response letters to be signed by the CISO and delivered to DND when specific high-profile risks emerged.

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Requirement	Type	Organization	Dates	Description
Wireless Security	Experience	Nortel Networks	1999-2001	Created custom-built "backpack scanner" with directional antenna to discover and provide precise location of rogue wireless access points. Worked with operations to disable rogues.
Zero Trust Architecture	Knowledge	J.D. Irving, Ltd.	2018-Present	Led the team that authored, maintained, and implemented System Security Architectures based on Zero-trust principles for Unclassified and Classified environments supporting the River Class Destroyer Program.