Philippe Nault, Cd

Cybersecurity Engineer and Project Lead

\*\*20+ years of experience in Leadership and Cybersecurity\*\*

Profile

Philippe Nault, CD, is a highly skilled cybersecurity professional with a strong background in penetration testing, vulnerability assessment, and risk management. Drawing from over two decades of leadership experience in the Royal Canadian Navy, he brings a unique perspective on layered defense strategies and their exploitation. Currently pursuing a Cyber Security Diploma at Nova Scotia Community College (graduating June 2025), Philippe has already earned the prestigious Offensive Security Certified Professional (OSCP) certification, showcasing his expertise in offensive security. His technical arsenal includes tools such as Kali Linux, Metasploit, and Nessus, as well as programming proficiency in Python, Bash scripting, JavaScript, and SQL.  
  
Philippe’s career is marked by impactful leadership and technical innovation. As Head of the Offensive Security Club at NSCC, he has designed Capture the Flag (CTF) challenges and virtual labs to enhance his peers’ offensive security skills. His extensive naval career includes managing a $40 million classified network upgrade for the Royal Canadian Navy and leading a department of 60 technicians to ensure combat readiness aboard HMCS Ville de Quebec. Philippe excels in high-stakes environments, whether troubleshooting complex systems, modernizing infrastructure, or mentoring teams of up to 60 personnel, as seen in his roles at the Naval Fleet School (Atlantic) and Fleet Maintenance Facility Cape Scott.  
  
Philippe’s expertise extends beyond technical prowess to strategic leadership. He has successfully overseen multi-million-dollar engineering projects, managed risk to ensure operational continuity, and trained hundreds of naval personnel in advanced combat systems engineering. Fluent in both French and English, Philippe combines his technical acumen, leadership experience, and military discipline to deliver exceptional results in cybersecurity and engineering. With a proven ability to adapt and excel in dynamic environments, he is poised to make a significant impact in the field of cybersecurity..

CGI experience

{cgi\_client\_or\_sector}, {cgi\_position\_title} ({cgi\_start\_date} to {cgi\_end\_date})

{cgi\_responsibilities}

Technologies: {cgi\_technologies}

Other experience

Nova Scotia Community College, Head of Offensive Security Club (08/24 to Present)

* Created Capture The Flag (CTF) challenges and labs using Virtual Machines to enhance offensive security skills for cyber security students.

Technologies: {technologies}

Maritime Warfare Center, Senior Staff Officer – Simulation and Modelling (07/22 to 08/23)

* Directed simulation and modeling initiatives for the Royal Canadian Navy (RCN), ensuring operational readiness.
* Oversaw a $40 million upgrade project for a classified network, modernizing the RCN's infrastructure with measurable progress.

Technologies: {technologies}

Naval Fleet School (Atlantic), Combat Systems Engineering Division Commander (07/19 to 07/22)

* Supervised training for Weapons Engineering Technician and Combat Systems Engineering Officers in the East Coast fleet.
* Provided mentorship and coaching to 40 staff, facilitating the successful training of 120 students annually.

Technologies: {technologies}

Fleet Maintenance Facility Cape Scott, Executive Officer (10/16 to 07/19)

* Managed HR, IT, and security for a 1000-person unit focused on ship repair and maintenance operations.
* Led a 7-member team, ensuring efficient risk management and smooth ship maintenance processes.

Technologies: {technologies}

Naval Fleet School (Atlantic), Campus Support Division Commander (01/14 to 10/16)

* Oversaw security, IT, scheduling, purchasing, safety, and equipment maintenance for the training campus.
* Directed 8 section heads and managed 60 personnel to ensure continuous training for 600 students annually.
* Mitigated potential training disruptions to minimize downtime and maintain operational efficiency.

Technologies: {technologies}

HMCS Ville de Quebec, Combat Systems Engineering Officer (07/12 to 01/14)

* Maintained mission readiness of all combat systems aboard HMCS Ville de Quebec, ensuring optimal performance.
* Managed a 60-technician department to maintain systems and reduce equipment downtime, enabling operational success.
* Supported a successful counter-drug patrol in the Caribbean Basin through effective system readiness.

Technologies: {technologies}

Maritime Equipment Program Management, Staff Officer (Minor Warships and Auxiliary Vessels) (07/10 to 07/12)

* Led equipment upgrade and maintenance projects for Minor War Vessels of the Royal Canadian Navy.
* Executed multi-million dollar satellite communication upgrades for KINGSTON class Maritime Coastal Defense Vessels.

Technologies: {technologies}

Royal Canadian Navy, Engineering Officer under training (08/04 to 07/10)

* Trained to lead Combat Systems Engineering Departments on HALIFAX class Frigates and other safety officer roles.
* Gained 300 sea days, deploying to the Gulf of Aden and the Arctic Ocean for operational missions.

Technologies: {technologies}

Education

* Cyber Security Diploma, Cyber Security, Nova Scotia Community College
* B.Eng., Chemical & Materials Engineering, Royal Military College of Canada

Trainings and certifications

* OffSec Certified Professional (OSCP), Offensive Security

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| --- | --- |
| Industry experience   * Cybersecurity * Military * Naval Engineering   Technical specializations   * Penetration Testing * Vulnerability Assessment * Risk Management * Simulation and Modelling * Offensive Security   Areas of expertise   * Vulnerability Scanning * Privilege Escalation * Web Application Exploitation * Client-Side Attacks * Network Pivoting * Active Directory Exploitation | Environments   * Kali Linux * Naval Combat Systems * Military Training and Simulation   Tools & software   * Nmap * Metasploit * BurpSuite * Gobuster * Nikto * CrackMapExec * Impacket suite * Nessus * Bloodhound * Hydra * Hashcat * John the Ripper   Languages   * English * French |

Skills summary

| Skill | Number of years | Skill level\* |
| --- | --- | --- |
| Technical skills | | |
| Python | 1 | 2 |
| Bash Scripting | 1 | 2 |
| JavaScript | 1 | 2 |
| SQL | 1 | 2 |
| Kali Linux | 1 | 3 |
| Nmap | 1 | 3 |
| Metasploit | 1 | 3 |
| Application knowledge | | |
| Vulnerability Scanning | 1 | 3 |
| Vulnerability Exploitation | 1 | 3 |
| Privilege Escalation | 1 | 3 |
| Web Application Exploitation | 1 | 3 |
| Client-Side Attacks | 1 | 3 |
| Active Directory Exploitation | 1 | 3 |
| IT disciplines | | |
| Risk Management | 10 | 4 |
| IT Security | 10 | 4 |
| Network Pivoting | 1 | 3 |
| Simulation & Modelling | 1 | 3 |
| Industry knowledge | | |
| Cybersecurity | 2 | 3 |
| Military Operations | 20 | 4 |
| Naval Systems Engineering | 10 | 4 |
| Ship Maintenance & Repair | 10 | 4 |
| Other relevant skills | | |
| Fluently Bilingual (French and English) | 20 | 4 |
| Leadership | 15 | 4 |
| Project Management | 10 | 4 |
| Mentoring & Coaching | 10 | 4 |
| Tryhackme.com (Top 4%) | 1 | 3 |

\*Skill Level: 1 = Beginner, 2 = Experienced, 3 = Advanced, 4 = Expert