

Cyber DevOps Developer

About Us

The Cyber Security Operations team at the Ontario Public Service (OPS) is a carefully assembled group of passionate and diverse individuals. The team proudly believes in our mission to protect the Ontario government, public services and clients from a diversity of cyber threats.

Join Our Team

An exciting and challenging opportunity exists with the Ministry of Government and Consumer Services' Cyber Security Operations Centre. We are looking for a Cyber DevOps Developer to provide expertise in the development, implementation and maintenance of cyber solutions.

Start your career with the OPS

The Ontario Public Service is one of the largest employers in the province, employing more than 60,000 people. Every day, we are modernizing government operations and improving public services. We have a wide range of meaningful and rewarding career opportunities in communities across Ontario. We welcome new ideas and new people, encourage learning and development, and reward achievement. No matter the position, we live the core values of trust, fairness, diversity, excellence, creativity, collaboration, efficiency and responsiveness.

We are re-thinking how we deliver services through various initiatives, modernization initiatives and how we access and deliver critical services remotely. We are striving to enable a future-ready OPS workforce through technology-focused enterprise-wide strategies.

The OPS is committed to be an employer of first choice, creating a positive and inclusive work environment. In addition to flexible work arrangements, a collegial and professional work culture, career growth and development and on-the-job training to help you succeed, we offer a competitive compensation package.

To learn more about the compensation package for this position, please visit the Ontario Public Service Employee Union website <https://opseu.org/> for a copy of the current collective agreements.

What can I expect to do in this role?

Responsible for assessing, protecting, detecting, and responding to cyber threats that may have an impact on the OPS environment, you will:

- Design and develop technology and methods to automate advanced threat detection and cyber security monitoring solutions.
- Design, develop and utilize application programming interfaces.
- Develop cyber security prototypes and proof of concepts focusing on emerging technologies like IoT, Cognitive computing algorithms, Big Data security, as well as other Internet technologies and systems.
- Design and develop SIEM rules/parsers.
- Design, develop and review SIEM architecture.
- Troubleshoot SIEM issues, as required.
- Conduct open source and classified cyber security research, partnering with provincial and federal partners to develop and document recommendations for the implementation of innovative security mechanisms and courses of action to solve complex cyber security problems.
- Document design specifications, installation instructions and other system security-related information.
- Perform on-going cyber security testing reviews to improve software code and hardware security solutions.
- Conduct applied research, analysis and evaluation of existing and emerging threats, and develop and deliver actionable intelligence insights from massive data sets.

Location: Toronto

How do I qualify?

INFORMATION TECHNOLOGY KNOWLEDGE AND SKILLS:

- Demonstrated experience with Cyber security, cyber threat intelligence and risk analysis techniques and tools to design, develop, and lead the implementation of complex and customized security solutions and products.
- Demonstrated experience with security architecture and design review concepts, principles and techniques to validate the design features of security solutions.
- Demonstrated experience with current state-of-the-art in-machine learning techniques and methods, data analysis, statistics and experimental design to develop security solutions around technologies such as SIEM operations and administration, IPS, Network/User Behaviour Analytics, Advanced Persistent Threat mitigation and End Point protection that produce reliable, repeatable decisions and models with accurate results.

ANALYTICAL AND RESEARCH SKILLS:

- Demonstrated research and analytical skills to research, analyze and evaluate existing and emerging threats and to maintain an awareness of industry direction and current/emerging technology products, services and best practices.
- Demonstrated analytical and problem-solving skills to manage complex issues with infrastructure development initiatives and to develop solutions that meet the government's security needs.
- Demonstrated analytical skills to conduct in-depth analysis of computer networks in order to identify existing and potential vulnerabilities and threats.
- Demonstrated analytical skills to interpret log output from networking devices, operating systems and infrastructure services.

COMMUNICATION AND INTERPERSONAL SKILLS:

- Demonstrated verbal communication and interpersonal skills to provide specialized technical expertise and advice to Cyber Security Operations Centre staff on the development of software solutions to meet specific government security needs; and to explain technical solutions to both technical and non-technical personnel.
- Demonstrated written communication skills to prepare reports, briefing notes and papers on cyber solutions and to prepare recommendations based on research of existing and emerging threats.

PROJECT COORDINATION SKILLS:

- Demonstrated project management techniques to plan and lead project teams engaged in a wide variety of cyber security development projects.
- Demonstrated decision-making skills for identifying gaps in security architecture and developing risk management plans; designing and utilizing APIs to expose and retrieve data; and participating in, and providing input to, projects.

Salary Range: \$1,654.05 - \$2,066.34 Per Week

Additional information:

- 1 Permanent, 222 Jarvis St, Toronto, Toronto Region, Criminal Record and Judicial Matters Check (Fingerprint Based), Credit History Check, Driver's Licence History, Intelligence, Local Police Databases Search, PIP/NICHE/RMS

Note:

- In accordance with the Ontario Public Service (OPS), Employment Screening Checks Policy (ESCP), the top candidate(s) may be required to undergo a security screening check. Refer to the above to determine the screening checks that are required for this position.

Required security screening checks along with your written consent, will be sent to the Transition and Security Office (TSO), Talent Acquisition Branch (TAB), HR Service Delivery Division (HRSD) to evaluate the results. If applicable, the TSO, with your written consent, will request and obtain any additional employment screening checks that were not obtained directly by you.

A record under the Criminal Code and/or other federal offence record(s) does not automatically mean you will be ineligible for the position. The employment screening check(s) will only be reviewed and evaluated by the TSO for the purpose of making a security clearance decision. The details of an individual's employment screening check(s) will be considered in specific relation to the duties and responsibilities of the position being filled. Employment

screening check records will be maintained by the TSO and kept strictly confidential.

- The information that you provide for the purpose of this competition and the results from this competition may be used to fill other positions. These positions may be of various tenures, including short-term assignments. Your information and the results from this competition will be retained for the purpose of filling vacancies in accordance with the applicable collective agreement or policy provisions.

Please apply online, only, at www.ontario.ca/careers, quoting **Job ID 154877**, by **Monday, January 25, 2021**. Please follow the instructions to submit your application. Faxes are not being accepted at this time.

If you require accommodation in order to participate in the recruitment process, please contact us at www.gojobs.gov.on.ca/ContactUs.aspx to provide your contact information. Recruitment Services staff will contact you within 48 hours. Only those applicants selected for an interview will be contacted.

The Ontario Public Service is an inclusive employer. Accommodation will be provided in accordance with Ontario's *Human Rights Code*.

www.ontario.ca/careers