MAYUR SAXENA

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EXPERIENCE

Government of Canada   Jan. 2019 - Present
Network Security Analyst   *Ottawa, ON*

- Examined network configurations for potential security vulnerabilities.
- Performed red team exercises exploiting vulnerabilities and devised effective countermeasures.
- Conducted digital forensics in order to identify threats and vectors of compromise.
- Presented findings and recommendations to both technical and non-technical audiences.

Government of Canada   May 2018 - Aug. 2018
Hardware Engineer / Systems Administrator   *Ottawa, ON*

- Enabled cross-domain communications between infrastructure of varying security levels.
- Implemented monitoring of device security and performance using Zabbix.
- Configured and maintained multiple UNIX-based systems.

Government of Canada   Jan. 2017 - Apr. 2017, Sep. 2017 - Dec. 2017
Data Scientist   *Ottawa, ON*

- Automated various processes using Python and shell utilities.
- Analyzed trends in data using tools such as Splunk and Excel.
- Documented findings and recommendations for presentation to senior management.

Government of Canada   May 2016 - Aug. 2016
Software Systems Developer   *Ottawa, ON*

- Designed and developed a multi-threaded webpage regression testing framework.
- Utilized Python and JavaScript APIs to capture and compare images of rendered webpages.
- Created a system with Salt and Jenkins to perform automated tests across platforms.

House of Commons of Canada   Sep. 2015 - Dec. 2015
Junior I.T. Security Analyst   *Ottawa, ON*

- Monitored network traffic for threats using Bash scripts and industry grade intrusion prevention and packet analysis tools.
- Assessed, investigated, and mitigated security events while coordinating them with the internal ticketing system.
- As part of daily operations management, provided updates on tickets, process reviews, and event post-mortems.

TECHNICAL STRENGTHS

Penetration Testing · Threat Hunting · Forensics · Reverse Engineering · Python · C · Assembly · Bash

EDUCATION

University of California, Berkeley   August 2023
Master of Information and Cybersecurity

University of Waterloo   June 2019
BCS Honours Computer Science with Legal Studies Minor & Business Option