JAMES RUNTAS

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PROFESSIONAL WORK EXPERIENCE

Cyber Security Specialist   **May 2022 - December 2022**
Bell Canada | Ottawa, ON

Provided hardware/software services to multiple branches within Bell's IS Response sector. Responsible for service delivery related to system security engineering, risk assessment, architecture and design, physical security as well as application security.

- Development of multiple new applications in areas such as: User Access Management Automation, Virtual Machine Customization, Visualization of Network Traffic, and an Abusive IP Database.
- Supervised a co-op student in performing hardware-related responsibilities within a server room environment.
- Formulated an overhaul to a server room to utilize modern hardware, physical security, networking, and monitoring.
- Actively contributed to the resolution, documentation, and analysis of numerous security incidents across a wide range of virtual machines and servers administered across separate teams within the company.

Cyber Security Developer Co-op   **May 2021 - December 2021**
Bell Canada | Ottawa, ON

Engaged in a dynamic co-op position as a Cyber Security Developer, contributing to the design and development of secure software solutions. Acquired skills for Network Administration, ensuring server availability, integrity, and security. Actively participated in software development initiatives, employing best practices and secure coding principles to mitigate potential risks.

- Developed automated program to send daily email reports about Bell related domain spoofing and typosquatting.
- Effectively maintained, upgraded, repaired numerous server/desktop hardware for cross-functional teams.
- Addressed network vulnerabilities through robust monitoring and patches.

CORE COMPETENCIES

- Proficient in multiple programming languages and libraries for application development.
  - Python: 5 yrs [Scrapy, Requests, Pillow, Tkinter, Numpy, Pandas, Scipy, Sci-kit learn, Tensorflow, Pytorch, Keras Django] Javascript: 3 yrs [Node.js, React, Angular] C/C++: 5 yrs, Java: 5 yrs, Go: 2 yrs, HTML: 6 yrs, SQL 3 yrs.
- Effective in several industry-standard software and security tools, frameworks, and applications.
  - Docker, Kubernetes, Anaconda, Kafka, Elasticsearch, Kibana, OSINT, Wireshark, Nmap, Metasploit, Searchsploit
- Designing and developing security solutions for major telecommunications providers.
- Conducting analysis, assessment, and determining risk for complex system integrations and deployments.
- Skilled in architecting and upkeeping large-scale server rooms. Tools used: Proxmox, Cisco Networking, Xen Orchestra, vSphere.
- Knowledgeable in Windows 7/8/10/11, RHEL 7/8/9, Kali Linux, Debian 10/11 OS distributions, troubleshooting, command line.

EDUCATION

B.Eng. Systems and Computer Engineering   Carleton University | *Ottawa, ON, Canada*   **09/2018 - 09/2023**

PROJECTS

Space Palette Pro: Audio-Visual-Haptic electronic instrument where user(s) produce musical sounds and live visual and haptic feedback by interacting with four pressure pads and a touch screen. Project tied for 2nd Place in 2022 SYSC Capstone Project Competition. Permanent display in Carleton University, with a federal grant from the Canada Foundation for Innovation. Planned installation and demo at Canadian Museum of Nature, use for live concerts/shows for Carleton Music Department.

Alpha Security Squared: Open source, modular security system using Raspberry Pi. Software written in Python and C, cloud based security alerts created using AWS and a mobile application. System included Tripwires, Audio sensors, motion sensors, and camera.

X-Ray Machine Learning Image Classifications: ML image classification model in python detecting positive COVID-19, Pneumonia X-Ray images with 93% and 87% accuracy, respectively.

iPhone Motion Tracking: Using iPhone accelerometer and gyroscope, created ML model to classify data as running, walking, etc.

MLB Wizard: Django Application displaying live MLB statistics for teams, rosters, players and news articles using MLB API.