Gregory Mitchell

613-207-3865 | grmitch1@gmail.com | linkedin.com/in/gregmitch | github.com/GregMitch

SKILLS

Languages & Databases: Rust, C/C++, Python, Java, JavaScript, PostgreSQL, Cosmos DB
Developer Tools: Git, Docker, Jenkins, WinDbg, AWS Lambda, Amazon EC2, Jira

EXPERIENCE

Software Developer
Jan 2023 – Present

Trend Micro
Ottawa, ON

- Developed a Windows registry scanner for the Integrity Monitor rewrite as part of the Deep Security product.
- Enhanced Jenkins infrastructure to increase the maximum product version limit by 100% and support hotfixes.
- Initiated porting C++ features to Rust & presented training material accessible to 7000+ employees globally.
- Implemented database migration so users can seamlessly upgrade from the legacy version to the latest.
- Resolved customer-reported issues with the legacy Log Inspection module and provided timely solutions.

Software Developer CO-OP
May. 2022 – Aug 2022

Trend Micro
Ottawa, ON

- Implemented rule metrics in the Application Control feature resulting in faster diagnosis for customer issues.
- Patched a PowerShell vulnerability by parsing scripts and ensuring only pre-authorized scripts are executed.
- Optimized & enhanced wildcard matching algorithm with dynamic programming to include globstar support.

Software Tester CO-OP
May 2021 – Aug 2021

Nokia
Ottawa, ON

- Created automated test suites in JavaScript with Selenium & Mocha to verify web application functionality.
- Updated legacy automation test suites to maintain a success rate of greater than 95%.
- Utilized XML scripts to modify user permissions and network nodes, decreasing configuration time by 50%.

Automation Engineer CO-OP
Sept 2020 – Dec 2020

Nokia
Ottawa, ON

- Designed automated TCL scripts to test router MACsec functionalities to comply with the 802.1AE standard.
- Maintained Nokia-Cisco-Juniper MACsec interoperability tests, ensuring compatibility between routers.
- Verified bug fixes in customer environments and raised a ticket when new issues were found.

SIDE PROJECTS

Member Engagement Lead | *Python, CSV, Git, Discord, Reverse Engineeing*   Google Developer Student Club
- Organized and moderated community events on Discord to engage members and host networking events.
- Co-hosted a cyber-security workshop explaining different types of malware and common attacks.
- Made a CSV pasrer with Python to determine who attended the most events and distributed prizes.

Imghost | *Python, Flask, sqlite3, Amazon S3, Git*   uOttaHack2021
- Developed a website to host, share and tag user-uploaded images with team at uOttaHack2021.
- Implemented backend routing using Python Flask to handle HTTP requests, returning formatted JSONs.
- Generated readable random phrases with Python for use as image ids that pointed to internal image links.

EDUCATION

University of Ottawa
Ottawa, ON

Bachelor of Applied Science in Software Engineering: 3.7 GPA
Sept. 2018 – Jan 2023

- Admissions Scholarship: $3000

- Data Structures & Algorithms, Software Architecture, Quality Assurance, Software Requirements, Databases, Computer Architecture, Computer Networks, Object Oriented Programming