Wajd Mariam

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PROFESSIONAL SUMMARY

Final-year Computer Systems Engineering student with **Government of Canada Reliability Status** and multi-term co-op experience in **DevOps**, **IT**, and **systems engineering**. Experienced in **CI/CD automation, cloud deployment (AWS, Kubernetes), and developing real-time, AI-driven solutions**.

EDUCATION

Bachelor of Engineering, Computer Systems Engineering (Co-op)
Carleton University, Ottawa, ON — *Expected April 2026*
  - GPA (B+) | 2024/2025 Dean's Honour List
  - Relevant Coursework: Software Design, Databases, Real-time Systems, FPGA/Verilog, Machine Learning

TECHNICAL SKILLS

<u>**Languages**</u>: Python, C/C++, Java, JavaScript, Bash, SQL, Verilog
<u>**Tools**</u>: AWS, Docker, Kubernetes, Jenkins, Gradle, Git, Linux, Ansible, Wireshark, FastAPI, Firebase
<u>**Concepts**</u>: CI/CD, DevOps, RESTful APIs, Microservices, Data Management, Agile, Network Debugging

WORK EXPERIENCE

System Engineer   **May 2025 – August 2025**
Comtech Solacom Technologies   Gatineau, Quebec

- Configured and validated **Public Safety Answering Point (PSAP)** environments for NG911 systems, ensuring device interoperability and adherence to deployment standards.
- Developed and tested **Python scripts** to parse and extract key diagnostic data from large system log files, improving troubleshooting efficiency and **cutting manual log review time by 25%**.
- Conducted detailed packet analysis using Wireshark to isolate communication faults and improve system reliability, **cutting issue resolution time by 10%.**

IT Technician   **May 2024 – August 2024**
Employment and Social Development Canada   Gatineau, Quebec

- Provided remote technical support for the **Managed Secure File Transfer (MSFT)** system, an enterprise file transfer system, ensuring **99% operational uptime** for users.
- Automated weekly operational notifications using **Ansible Playbook**, simplifying recurring admin tasks and enhancing system consistency.
- Developed **Shell** scripts to manage Linux servers, simplifying recurring admin tasks, improving reliability, and **reducing manual workload by 10%**.

Associate Software Engineer (DevOps)   **May 2023 – December 2023**
IFS – Global Enterprise Software Solution Provider   Kanata, Ontario

- Developed and optimized **CI/CD pipelines** using **Jenkins** and **Bamboo**, enhancing **deployment reliability** and **build success rate by 20%**.
- Built and orchestrated **Docker** and **Kubernetes** environments across test and staging clusters, ensuring build consistency.
- Automated build and deployment workflows with **PowerShell** and **Python**, reducing manual setup time and improving workflow consistency.
- Monitored and troubleshot build environments, resolving configuration and dependency issues to stabilize integration builds.

PROJECTS

- **FocusCam (Capstone)** – AI-based focus-tracking desktop app using **MediaPipe**, **FastAPI**, **Scikit-Learn**, and **Firebase** for real-time distraction detection.
- **SnowBot –** Autonomous IoT snow-clearing robot built using **Raspberry Pi** and **ESP32** for real-time obstacle avoidance and cloud telemetry.