

## Work Experience

**Hexagon | NovAtel**

DevOps Developer

**August 2024 – Present**

Calgary, AB

- Dockerized a GNSS simulator and migrated its Jenkins pipeline to GitLab CI/CD, cutting deployment time by 25%
- Built a Grafana dashboard with a Python ETL, monitoring 30 GitLab pipelines daily for failure and bottleneck trends
- Automated software updates on 130+ nodes with Ansible, reducing manual effort by 95% and ensuring consistency
- Supported 6 engineering teams with CI/CD workflows, troubleshooting and resolving failures across DevOps tools
- Upgraded and maintained DevOps tools and Docker images, improving system reliability and minimizing downtime

## Skills

**DevOps & Collaboration Tooling:** Administering GitLab, Jenkins, SonarQube, Artifactory; Git, Linux CLI, Jira, Confluence**Programming & Scripting:** Python (primary), Java/C/C++ (academic), Bash, Batch, PowerShell**CI/CD & Automation:** GitLab CI/CD, Jenkins, Ansible**Artifact & Data Management:** JFrog Artifactory, MySQL, PostgreSQL**Containerization & Monitoring:** Docker, Grafana, Elasticsearch, Prometheus**Operating Systems:** Ubuntu 22/24, Windows Server, Windows 10/11**Web Development:** HTML, CSS, Tailwind, JavaScript, React, Flask

## Education

**Bachelor of Science with Distinction in Software Engineering****September 2019 – December 2023**

Cumulative GPA: 3.5 / 4.0 [Dean's List]

Schulich School of Engineering, University of Calgary, AB

**University Preparation Program****January 2016 – December 2018**

Cumulative GPA: 4.0 / 4.0

MacEwan University, Edmonton, AB

## Projects

**GNSS Verification Simulator CI/CD Pipeline Migration****October 2025 – December 2025**

Docker, GitLab CI/CD, Jenkins, Artifactory

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- Crafted a testable, modular GitLab CI component for multi-config builds and flexible publishing (e.g., Artifactory)
- Optimized container build runtime by 50% by aligning Docker CPU limits with MSBuild concurrency settings
- Coordinated requirements across 4 engineering teams to ensure a smooth transition to the GitLab CI/CD pipeline

**GitLab Pipeline Monitoring Dashboard****September 2025 – December 2025**

Python, GitLab API, GitLab CI/CD, Grafana, Elasticsearch

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- Designed a Python-based ETL pipeline to store GitLab CI/CD pipeline metrics in Elasticsearch (i.e., 30 pipelines/day)
- Developed aggregation logic to derive stage durations and statuses from job data, addressing gaps in the GitLab API
- Built a filterable Grafana dashboard tracking failure rates, causes, counts, durations, and problematic Git branches

## Additional Work Experience

**D.G.C. Contracting Inc.**

Heavy Equipment Technician Apprentice

**February 2012 – January 2016**

Spruce Grove, AB

- Modified and repaired 200+ units using systems-level diagnostics and operator feedback to optimize performance
- Conducted preventive maintenance on construction/highway units, maximizing uptime and operational reliability