

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++, Bash, Batch, PowerShell**CI/CD & Automation:** GitLab CI/CD, Jenkins, Ansible**Artifact & Data Management:** JFrog Artifactory, MySQL, PostgreSQL**Containerization & Monitoring:** Docker, Grafana, Elasticsearch, Prometheus**Web Technologies & Frameworks:** HTML, CSS, JavaScript, Tailwind CSS, React, Flask**Operating Systems:** Ubuntu 22/24, Windows Server, Windows 10/11

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

Hexagon | NovAtel, Calgary, AB

- 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

Hexagon | NovAtel, Calgary, AB

- 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