

Dawood Afzaal

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EDUCATION

University of Calgary

Bachelor of Science in Computer Science

Calgary, AB

Sept. 2019 – Jan. 2024

EXPERIENCE

DevOps Engineer Co-op

May 2023 – Sept. 2023

Nokia

Ottawa, Ontario

- Automated the build process of a Docker image by leveraging Docker labels with the `printenv` command.
- Implemented GitLab Integration to create and push a Git tag whenever a newer version of the image was generated ensuring version control and traceability.
- Integrated over 80+ company repositories with Jira by creating a python script to automate the process using the Gitlab API

DevOps Engineer Co-op

Jan. 2023 – May 2023

Nokia

Ottawa, Ontario

- Utilized Docker and python Poetry to containerize and enhance existing python applications, resulting in a 35% improvement in dependency management and resource allocation.
- Implemented version control using Poetry commands, leading to an 80% reduction in collisions when pulling artifacts from JFrog
- Streamlined the build and deployment of Docker images to JFrog by automating the process using JCasC
- Orchestrated automated testing triggered by merge request on Gitlab through JCasC and web-hooks

Quality Assurance Intern

Jan. 2022 – Dec. 2022

Nutrien

Calgary, Alberta

- Optimized Circle CI builds through testing, consistently identifying stable builds ahead of schedule
- Validated API endpoints against HANA database, ensuring accurate and reliable data interactions using Postman for API testing.
- Contributed to the design, construction, and maintenance of software modules.
- Conducted efficient UI testing across multiple platforms and devices using Browser Stack

IT Support Intern

July 2021 – Sept. 2021

The Immigrant Education Society

Calgary, Alberta

- Monitored and maintained the computer systems as well as the networks within the organization.
- Analyzed, troubleshooted and resolved network and technical problems.
- Ensured computers and other devices were functional, free of viruses and threats.
- Preserved client files, attendance records and evaluation records for all training programs.

PROJECTS

NewsGenius | *TypeScript, React, Express, MySQL, Axios, NewsAPI*

2023

- Developed a Full-Stack Authentication System using React, TypeScript, Axios, NewsAPI, Express and MySQL
- Implemented functionality for users to input search terms and select preferred languages and fetched relevant news articles via RESTful requests.
- Demonstrated proficiency in API integration, data retrieval and user interface design to provide tailored news content.

BetterD2L | *Python, Flask, Tailwind, RESTful API, SQLite3, Vue.js*

May 2018 – May 2020

- Developed a full-stack web application using Flask and Vue.js with tailwind for the UI.
- Used SQLite3 database to store a student's course related information such as exam dates and assignment deadlines.
- Created an interactive interface to allow the player to easily access and maneuver the interface.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, C/C++, HTML, CSS, R, SQL, Groovy

Frameworks: React, Node.js, Express, MySQL, Axios, Tailwind

Developer Tools: Git, Docker, Jenkins, WSL 2.0, Ubuntu, Circle CI, Playwright, Kubernetes, JCasC, Postman, Linux