

Harsohail Brar

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OBJECTIVE

I have completed my third year of Software Engineering with a double major in Commerce at the University of Calgary and I am seeking a co-op/internship opportunity in the software development field where I can apply my skill sets while learning and gaining more experience.

EDUCATION

Bachelor of Science in Software Engineering

September 2017 – Present

Bachelor of Commerce (Dual Degree Stream)

- University of Calgary (Internship Program Status: Enrolled)
- Schulich School of Engineering Dean's List
- Haskayne School of Business Dean's List

Cumulative GPA: 3.787/4.0

SKILLS

Languages: Java, C, C++, Python, SQL, JavaScript, HTML, CSS

Technologies and Frameworks: Flask, ReactJS, Redux, Git, MySQL, PostgreSQL, AWS EC2 + RDS, Docker, FaunaDB, ExpressJS, jQuery, AJAX

EXPERIENCE

Software Development Co-op Student, Husky Energy

September 2020 - Present

- Developing a project delivery model tool kit for Husky's small projects using **ReactJS**. The web app incorporates dynamic flowchart rendering using **ReactFlow** to create models that best reflect projects.
- Constructing automated builds and deployments using **GitHub Actions CI** and **SPGo** reducing deployment times by 70%.
- Maintaining and upgrading existing project delivery model platforms built using **jQuery**.
- Increased user feedback by automating the feedback service using **Microsoft Power Automate** by 25%.
- Assisting in additional project management tasks relevant to my Commerce education.

PROJECTS

TLreadDR treadr.com

- A web application with a **ReactJS** front-end and **Python** back-end that allows users to post summarized news articles which can be voted for validity or commented on for discussion.
- Worked as a part of the back-end team with the **Flask** framework to develop APIs as **microservices** in **Docker** containers. Played an important role in managing a cloud hosted PostgreSQL database on Amazon **RDS** and deployment on an Amazon **EC2** instance.

Jambo Apparel E-Commerce Store jamboapparel.com

- Developed a proprietary e-commerce store for the non-profit organization Jambo Apparel to lower operating costs incurred by platforms such as Shopify.
- **ReactJS** and **Redux** were used for front-end development, **ExpressJS** as an authentication middleware, **Stripe** for managing payments, **FaunaDB** as the database, and **PrintifyAPI** for managing shipments and tracking orders.

Property Rental Management System

- A **Java** application to create and browse properties on the client side, while the server-side managed communications with a **MySQL** database. The project was also designed using creational, structural, and behavioral **software design patterns**.
- **Multiithreading** was used to improve the performance of the application and to allow multiple clients to connect while the database operations were programmed to be **thread safe**.

Website Development & Photography shaganappidentistry.ca

- Developed a website from scratch for a local dentistry business using the Wix platform.
- I professionally photographed the clinic and its staff for the website.