

# Harsohail Brar

+1-204-218-7511  
harsohail.brar1@gmail.com

in /harsohailbrar  
/harsohailB  
harsohailbrar.com

## Skills

**Languages:** Expert: JavaScript, TypeScript, Python, HTML, CSS **Proficient:** Java, SQL **Prior-Experience:** C/C++  
**Technologies:** React, ExpressJS, NodeJS, Flask, FastAPI, PostgreSQL, NoSQL, Docker, Git, AWS

## Experience

### Cenovus Energy

September 2020 - August 2021

Software Development Co-op Student

Calgary, Canada

- Developed an end-to-end project delivery web application using **ReactJS** and **Microsoft's SharePoint REST API** for designing and monitoring project models across business units.
- Constructed automated builds, deployments, and dependency caching for the application in **GitHub Actions CI/CD** with **bash** and **YAML** to reduce deployment times by over 50%.
- Followed **agile principles** and performed bi-weekly sprints for the development of the application.
- Selected as **one of 10 interns out of 250** to present the project to the **CEO** and **COO** of the company and show the business value added.

## Education

### University of Calgary

September 2017 - May 2023

Bachelor of Science in Software Engineering

- Schulich School of Engineering Dean's List

### University of Calgary

September 2017 - May 2023

Bachelor of Commerce

- Haskayne School of Business Dean's List

## Projects

### Jambo Apparel

[jamboapparel.com](https://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 supplier and shipping data.

### TLreaDR

[github.com/TLreaDR](https://github.com/TLreaDR)

- A platform for users to share summarized news articles for discussion and stay up to date on current affairs.
- Developed REST APIs on the backend team using **Flask** and **Docker** as microservices with scalable architectures such as **CQRS** and **event sourcing**.
- Streamlined **PostgreSQL** database migrations using **Alembic** which was hosted on **AWS RDS**.

## Achievements

### CalgaryHacks

Full Stack Hackathon / Competition

- Awarded **Best UI/UX in Tier 1** of the competition with over 700 participants and over 150 submissions.
- Developed a platform in 24 hours that allows individuals to delegate their errands to our application's employees to limit the spread of COVID using **ReactJS**, **Express.js**, and **MongoDB**.

### ASEC Hackathon

Data Science Hackathon / Competition

- Awarded **1st place** in the data science analytical competition to solve the industry problem presented.
- Preprocessed given datasets and created data pipelines using **Pandas** to prepare data for our machine learning models.
- Pair-programmed machine learning models using **Scikit-Learn** and **TensorFlow** to get an introduction to the technologies.