

Harsohail Brar

(204)-218-7511 | harsohail.brar1@gmail.com | linkedin.com/in/harsohailbrar | github.com/harsohailB | harsohailbrar.com

EDUCATION

University of Calgary

Bachelor of Science in Software Engineering

Calgary, AB

Sep. 2017 – May 2023

University of Calgary

Bachelor of Commerce

Calgary, AB

Sep. 2017 – May 2023

TECHNICAL SKILLS

Languages: **Expert:** JavaScript, TypeScript, Python, HTML, CSS **Proficient:** Java, SQL **Prior-Experience:** C++
Technologies: React, Redux, Express.js, Node.js, Flask, FastAPI, PostgreSQL, MongoDB, Docker, AWS, Git, Jira

EXPERIENCE

Software Development Co-op Student

Sep. 2020 – Aug. 2021

Cenovus Energy

Calgary, AB

- 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.

PROJECTS

Jambo Apparel | *Technical Lead*

Charity Project

- 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, **Express.js** as an authentication middleware, **Stripe** for managing payments, **FaunaDB** as the database, and **PrintifyAPI** for supplier and shipping data.

TLreaDR | *Backend Developer*

Course Project

- 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**.

EXTRACURRICULAR

Code The Change YYC | *Vice President (Internal)*

Sep. 2021 – Present

- On the leadership team of a student-led initiative where students in technology-focused programs volunteer their time to work on community projects.
- Responsibilities include **organizing major events** such as hackathons, **finding potential sponsors and projects**, and **gathering software requirements** for the organization's developers in Jira.

CalgaryHacks | *Best UI/UX in Tier 1*

Full Stack Hackathon

- 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**.
- Competition had participation of over 700 developers and over 150 submissions.

ASEC Hackathon | *1st Place*

Data Science Hackathon

- 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.