Harsohail Brar

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⚙️ 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
Software Development Co-op Student

September 2020 - August 2021
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%.
- 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
Bachelor of Science in Software Engineering

2017 – Present
Expected Graduation: May 2023

- GPA: 3.77, Schulich School of Engineering Dean's List
- Object-Oriented Programming, Databases, Software Architecture, Data Structures and Algorithms, Computer Networks

University of Calgary
Bachelor of Commerce

2017 – Present
Expected Graduation: May 2023

- Haskayne School of Business Dean's List

🧪 Projects

ticker-symbol-search
Personal Project

- Built a lightweight node package using **React + Typescript** that offers UI, hooks, and types for the end-users to simply import into their web apps.
- Provides live ticker symbol data from various markets such as stocks, futures, forex, cryptocurrencies, etc.

Jambo Apparel
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, **ExpressJS** as an authentication middleware, **Stripe** for managing payments, **FaunaDB** as the database, and **PrintifyAPI** for supplier and shipping data.

TLreaDR
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**.