




Shubhaankar Sharma

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EDUCATION

The University of British Columbia

Sep 2022 to Apr 2026

B.Sc. Computer Science & Mathematics

Vancouver, Canada

Awards: International Student Scholarship (2024), Dean's Honour List (2023)

EXPERIENCE

Horizon Blockchain Games Inc.

December 2021 – Present

Backend Developer (Part-time)

- Progressed from **Intern (September 2021 – November 2021)** to part-time developer, demonstrating value to the team
- Contributed to revamping the DevOps infrastructure for sequence using **Kubernetes and Pulumi**, improving team efficiency and deployment reliability
- Collaborated on designing and developing innovative features, including a **webhook notification service** for every ethereum blockchain and **custom data ingestion pipeline** which integrated various data warehouses together.
- Worked with the team to create a **comprehensive metrics dashboard** using Grafana and Prometheus.
- Responsible for actively maintaining a high-traffic **metadata service**, handling **1,500+ requests per minute** and serving **200+ clients**, ensuring optimal performance and reliability

PROJECTS

SimplAI 

- **Won 2nd place** at HackTheValley UoFT 2022
- Simplifies **legal documents** to be readable by an average person, via a react app that allows you to view and simplify it
- Trained a **Bert Model** with an accuracy score of 85% to identify key problematic words

Peersafe 

- End-to-end encrypted **decentralized file storage platform** made in Golang, Solidity and Typescript
- Utilized **Shamir's Secret Sharing** for secure key management
- Also created a **unique base key + file level key system** for easy file sharing without encrypting the whole file again

RFS Blockchain 

- Wrote a **Proof of Work** based blockchain for storing files on node's file systems in exchange for coins written in Go
- Wrote a **p2p networking library** along with my own message encoders and decoders **for propagating block data**.
- Also implemented a **distributed transaction pool** between all miners that contained all Operations requested by clients

go-chi 

(Contributor)

- Maintainer of all **21 repositories**, including chi, one of the most popular router libraries for Golang with **18.2k stars**
- **Authored httplog/v2**, refactoring the entire library to use Golang's slog as its internal logger ([PR](#))
- Wrote the official documentation at [go-chi.io](#)

goware/firewall 

(Author)

- Developed a library that attaches as **middleware to net/http**, **blocking specified CIDR ranges**
- Implemented feature to block all cloud provider IP ranges by default, **mitigating DDoS attacks from VMs**
- Utilized **trie structure to store CIDR ranges** for extremely fast searching in IP Ranges while not adding much overhead

goware/alserter 

(Author)

- Created a **middleware** compatible with net/http that sends **well formatted panics and errors** with **stack traces** for production **debugging**
- Integrated with various platforms like **Slack and Discord**
- Created a flexible interface which allows you to add support for whichever platform you want

goware/sed 

(Author)

- Wrote the linux command line tool 'sed' in golang
- Supports **fuzzy text searching** + replacement based on regex in all files matching a regex pattern

TECHNICAL SKILLS

Languages: Java, C++, Golang, Python, JavaScript, TypeScript, Dart, SQL, Bash

Frameworks & Tools: Spring, React, Kubernetes, Pulumi, FastAPI, Flutter, Git, Docker, pandas, NumPy, JUnit