

Shashwat Regmi

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Education

The University of British Columbia | *Bachelor of Science (B.Sc.) – Computer Science*

2018 – 2023 (Expected)

- Specialization in Software Engineering | Dean's Honour List

Experience

Software Development Engineer (Co-op) | *Change Healthcare*

September 2020 – August 2021

- Developed a back-end **Windows Service Server** that continuously communicates with cloud applications for status updates and facilitation of encryption keys rotation.
- Worked on encrypting/decrypting keys as well as implementing autonomous key rotations, based on security limits, in order to ensure the operation of **Medical Imaging Software**.
- Constructed a back-end service that parses log/CSV files and sends custom metrics to **Google StackDriver**.
- Generated **dashboards** on **Grafana** that allow for monitoring and analysis of performance/reliability metrics.
- Developed on a **full stack** web application that facilitates the connection and **data transfer** between on-premise medical imaging systems and **cloud applications**.
- Created object **models/DTOs** for data representation and transfer between the **client** and the **server**.
- Made API calls and handled HTTP requests with controllers and handlers using **.NET Core** and **C#**.
- Wrote extensive Unit and Automated Tests for a **CI/CD** pipeline using **C#**, **Selenium**, **Docker**, and **Jenkins**.

Information Technology Intern | *Rick Hansen Foundation*

June – July 2019

- Collated data from numerous sources and conducted a mass update of donor attributes using Microsoft Excel and a data loader.
- Created and populated reportable data fields in Salesforce and created reports/dashboards.
- Conducted workflow testing for the RHFAC Portal and assisted with development on the Lightning Platform.

Projects

circle | *Python / Google Firebase*

Current

- Primarily working on the back end for a social media application that allows users to create groups, make posts as well as send private messages.
- Developing extensive REST API using Flask and Cloud Firestore.
- Involved in planning and development of front-end implementation using JavaScript and ReactJS.

my laundry | *Java / Google Firebase*

December 2020

- Designed and developed a full stack mobile application, using Java and Cloud Firestore, that allows authenticated users to search and book/manage communal laundry machines based on availability.
- Implemented features such a real-time calendar and a personalized user-screen that allows for booking management as well as confirmation/cancellation.

employ-iFY | *Java / SQL*

March 2020

- Developed a complete Employee Management application optimized for record-keeping and analysis of employee records.
- Implemented CRUD operations for employee/department records and pulled data to create numerous filterable reports from a local MySQL database.

E-Z Funds | *Java / JSON*

December 2019

- Created an application that allows users to manage/track day to day and long term finances like income, expenses, debts, and investments.

Website Development | *HTML / CSS*

2017-2018

- Constructed websites for The Fraser Heights Integrated Math & Science Academy and The Surrey Secondary Schools Athletic Association.
- Utilized HTML, CSS, Bootstrap and SEO as well as Google Drive/Sheets integration for file/data sharing.

Skills

Languages: Java, C#, Python, C++, C, JavaScript, HTML, CSS.

Other: Object Oriented Programming, Software Development, Data Structures & Algorithms, Version Control, Debugging, Product Testing, Google Cloud Platform, Container Systems.