Shashwat Regmi

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Experience

Software Development Engineer (Co-op) | *Change Healthcare*   *September 2020 – Present*

- 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**.
- Worked 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++, C#, C, Python, JavaScript, Assembly, Racket, Swift, PowerBuilder, SQL, NoSQL, HTML, CSS, UML.

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

Education

The University of British Columbia | *Bachelor of Science (B.Sc.) – Computer Science*   *2018 – 2023 (Expected)*

- Specialization in Software Engineering | Dean's Honour List