Shashwat Regmi

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Education

The University of British Columbia   **May 2023**
Bachelor of Science (B.Sc.) in Computer Science with Distinction
- CGPA: 3.9/4.0 (A) - Dean's Honour List Recipient
- Relevant Coursework: Software Engineering/Construction, Internet Computing, Algorithms and Data Structures, Advanced Relational Databases, Machine Learning/Data Mining, Data Visualization, Computer Hardware and Operating Systems, Matrix Algebra, Calculus I/II/III.

Experience

Developer Intern, RBC Amplify   **May 2022 – Aug 2022**
Royal Bank of Canada   **Toronto, ON**
- Innovated a patent pending end-to-end framework, using Node.js, Kafka, Angular, and MongoDB, that streamlines the insight delivery flow by providing proactive client-specific recommendations to investment advisors.
- Developed and called APIs that deliver insights and allow for prioritization, tracking, and ranking of insights.
- Spearheaded the effort to pull insights from various sources in order to standardize the delivery flow, resulting in over 20% time savings for advisors and 10% increase in customer satisfaction.
- Pitched end-product to various stakeholders and executives at RBC Amp Expo – a culminating company-wide event.

Software Engineer (Part-Time)   **Dec 2021 – Apr 2022**
Change Healthcare   **Vancouver, BC**
- Worked on implementing a full stack web application using C#, .NET, APIs, and React that pulls thousands of records from GCP BigQuery based on user entered parameters, and generates user-friendly customizable reports.
- Spearheaded the initiative to empower support staff by extracting workstation/server specific details using PowerShell.

Software Development Engineer Intern   **Sept 2020 – Aug 2021**
Change Healthcare   **Vancouver, BC**
- Implemented a back-end Windows Service Server using C# and .NET Core, that continuously communicates with cloud applications for status updates/facilitation of encryption keys rotation, leading to over 90% time savings for support staff.
- Developed a full stack web application using C#, .NET, APIs, and React, that facilitates the connection and data transfer between mission-critical on-premise medical imaging systems and cloud applications through autonomous key rotations.
- Implemented an application that pushes custom metrics, from over 10 imaging systems, to Google StackDriver and Grafana which reduced error identification/diagnosis time by over 50%.
- Wrote extensive Unit and Automated Tests for a CI/CD pipeline using Selenium, Docker, and Jenkins.

Projects

ComputerMag | Java / JavaScript / SQL / HTML / CSS   **Nov 2022**
- Created web application that allows users to view computer and component details through a variety of filterable and searchable reports as well as read/write reviews. Implemented SQL Queries and APIs that facilitate CRUD operations.

InsightUBC | TypeScript / HTML / CSS   **Dec 2021**
- Created full stack web app that displays course statistics/trends using parsed/processed data from JSON and HTML files.
- Developed REST APIs using Node.js/Express.js and created comprehensive tests using Mocha and Chai.

my laundry | Java / Google Firebase   **Dec 2020**
- Built a full stack mobile application, using Java and Cloud Firestore, that allows authenticated users to search and book communal laundry machines based on real-time machine availability and date/time filters.
- Implemented features such as a unique pin code generation system for every booking as well as the ability to track historical bookings and usage details.

Skills

Languages: Java, C#, JavaScript/TypeScript, Python, C++, C, SQL, HTML, CSS.
Other: Object Oriented Programming, Software Development, Data Structures & Algorithms, Version Control, Debugging, Product Testing, Google Cloud Platform, Container Systems.