Shashwat Regmi

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Education

The University of British Columbia   Sept 2018 – May 2023 (Expected)

Bachelor of Science (B.Sc.) in Computer Science
- CGPA: 84% (~3.7/4.0) - Dean's Honour List
- Relevant Coursework: Software Engineering/Construction, Internet Computing, Algorithms and Data Structures, Relational Databases, Machine Learning/Data Mining, Computer Security, Visualization, Computer Hardware and Operating Systems, Matrix Algebra, Calculus I/II/III.

Experience

Developer Intern, RBC Amplify | Royal Bank of Canada   May 2022 – Aug 2022
- Innovated a patent pending end-to-end framework using Node.js, Kafka, Angular, and MongoDB, that streamlines the insight delivery flow for investment advisors thus empowering them to give proactive and valuable advice to clients.
- Implemented custom prioritization and tracking capabilities to rank insights by business value and track conversion rates.
- Spearheaded the effort to pull insights from various teams 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) | Change Healthcare   Dec 2021 – Apr 2022
- Developed a full stack web application using C# and React, that pulls thousands of records from 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 through scripting.

Software Development Engineer Intern | Change Healthcare   Sept 2020 – Aug 2021
- 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# and React, that facilitates the connection and data transfer between mission-critical on-premise medical imaging systems and cloud applications through autonomous key rotations.
- Generated and pushed custom metrics from over 10 imaging systems to Google StackDriver/Grafana and improved error identification/diagnosis time by over 50%.
- Wrote extensive Unit and Automated Tests for a CI/CD pipeline using Selenium, Docker, and Jenkins.

Projects

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.

employ-iFY | Java / SQL   Mar 2020
- Developed a complete Employee Management app optimized for record-keeping and analysis of employee records.
- Implemented CRUD operations for employee/department records and pulled data to create reports using a MySQL DB.

E-Z Funds | Java / JSON   Dec 2019
- Created a desktop application that allows users to manage/track day to day and long term finances like income, expenses, debts, and investments.

Skills

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

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