

Wesley Sequeira

SOFTWARE DEVELOPER · BUSINESS AND COMPUTER SCIENCE MAJOR

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Skills

Programming Languages

C# · Java · C++ · JavaScript

Development Tools / Frameworks

.NET Framework · Vue.js · Git

Other

TeamCity CI · Octopus Deploy · SQL Server · Visual Studio

Internship

RBC Global Asset Management

Vancouver, CA

SOFTWARE DEVELOPER - OPERATIONAL & SIPP TEAM

May. 2019 - December. 2019

- Designed and implemented an incident communication status page to refine application health tracking using ASP.NET MVC, Vue.js and Entity Framework 6 for O/RM
- Implemented a CI/CD pipeline for the status page to quicken release cycles and easily run robust unit tests using TeamCity CI and Octopus Deploy
- Used Agile methodologies to automate the institutional investment compliance documentation process (SIPP) used by portfolio managers and risk advisors in ReactJS and .NET Framework
- Enhanced database design using defensive programming techniques in T-SQL on SQL Server
- Built API controllers for the Investment Queue application to display its dependency's states for analysis in JSON and HTML
- Improved ETL workflow through writing PowerShell scripts and using Secure Shell FTP/SFTP with the ActiveBatch IT Automation software

Projects

Transaction Load Handler

- An online simulator that sends a high volume of network requests by user input to emulate burst load transactions
- Takes advantage of containerization technology and handling requests using AWS Elastic Container Service (ECS) to run the Docker application on a scalable cluster
- Implemented an automatic load balancing (ALB) service that spins up new pods at 80% CPU capacity to reduce execution time

Stock Trading Platform

- A full stack development project monitoring a trading platform which allows clients to create a portfolio with various investments listed in the Capital IQ dataset using MySQL for the database applications
- The frontend UI application uses CSS with Bootstrap alongside PHP for the server side

UBC Course/Rooms Query Engine

- A full stack web development project providing effective querying of metadata using Typescript, REST Endpoints for the server, and JavaScript for the frontend UI
- Practiced Test Driven Development using the Mocha Test Environment with Chai Expectation as well as Karma for frontend testing
- Read and parsed dataset using the JSZip Java library alongside the Node.js File System

Education

University of British Columbia

Vancouver, CA

B.COMMERCE IN BUSINESS AND COMPUTER SCIENCE

Sep. 2016 - PRESENT

- Financial Accounting (85%), Statistics (85%), Intermediate Algorithms (83%)

Extracurricular Activity

Psi Upsilon Fraternity Zeta Zeta Chapter

Vancouver, CA

MEMBER

Sep. 2016 - PRESENT

- Partnered with World Vision and fundraised over \$2,000 in Christmas toy boxes for impoverished children in Zambia
- Annually held a MoFlips event to support the Movember Campaign for Mens Health and raised over \$5,000 with additional sponsorships and donations from Townline Insurance and FT Synthetics

Royal Conservatory of Music and Arts

Vancouver, CA

PIANIST

Sep. 2010 - 2017

- Completed the Level 9 examination with distinction under the Baroque, Romantic, and Post-Modern categories
- Jazz enthusiast with a technical understanding of Ragtime and Blues genres