

Wesley Sequeira

SOFTWARE DEVELOPER · BUSINESS AND COMPUTER SCIENCE MAJOR

☎ 778-990-5351 | ✉ wesley.sequeira@hotmail.com | 🏠 wesleysequeira.com | 📞 wes1498 | 🌐 wesleysequeira

Skills

Programming Languages

C++ · C#.NET · HTML/CSS/JavaScript

Development Tools / Frameworks

.NET Framework · Vue.js · Git

Other

TeamCity CI · Octopus Deploy · SQL Server/T-SQL

Education

University of British Columbia

Vancouver, CA

B.COMMERCE IN BUSINESS AND COMPUTER SCIENCE

Sep. 2016 - PRESENT

- Financial Accounting (85%), Statistics (85%), Intermediate Algorithms (82 %)

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
- Automated the entire investment compliance documentation process (SIPP) used by portfolio managers and risk advisors using C# with .NET Framework, Dapper ORM, and React
- Enhanced database design using defensive programming techniques in T-SQL on MS 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

Stock Trading Platform

- A stock trading platform which allows clients to create an account, add a portfolio, and hold various investments pulled from the Capital IQ dataset
- Integrated the MAMP solution stack for local testing on MAC OS, MySQL for RDBMS, PHP for server rendering, and Bootstrap for the frontend UI

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

Multi-player Tic-Tac-Toe

- A Command Line multiplayer Tic-Tac-Toe game written in C++ using the client-server model and socket programming (TCP/IP) to provide a networked gaming experience
- Uses multi-threaded programming techniques with Mutexes which provide inter-threaded atomic data access

Extracurricular Activity

JPMorgan Chase & Co. Software Engineering Virtual Experience

Vancouver, CA

SOFTWARE ENGINEER

May. 2020

- Implemented data visualization on stock correlation to identify potential trading opportunities using Python3
- Used the JPMorgan Chase open source Perspective tool to display a correlation graph with auto update functionality in TypeScript

Royal Conservatory of Music and Arts

Vancouver, CA

PIANIST

Sep. 2010 - 2017

- Completed the Level 9 examination with First Class Honours
- Placed top 3 at the BC Registered Music Teachers Association Festival for the Romantic and Post-Modern genres