

MICHAEL CHI

3A Computer Engineering | University of Waterloo

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Technical Skills

Languages: JavaScript, Scala, C#, Java, Ruby, C++, HTML/CSS

Libraries/Frameworks: AngularJS, React, Node.js/Express, ASP.NET, Rails, jQuery, Spring

Databases: PostgreSQL, MySQL, Microsoft SQL Server

Tools: Ubuntu, Git, Redis, AWS, Vagrant, PrestoDB

Employment

Sortable – Software Developer (Sortable Analytics)

Jan 2018 – Apr 2018

- Created a system to automatically generate, format and email reports to clients based on scheduling configuration using AngularJS and Scala
- Optimized Hive querying performance by modifying internal script to query date partitioned tables
- Assisted with the upgrade of PrestoDB which optimized concurrent data querying by 25% with reduced failure rate
- Assisted full-time developer to reduce AWS cost by migrating databases from RDS to EC2

IBM Canada Ltd – Core Software Developer

May 2017 – Aug 2017

IBM ICM Web Application

- Upgraded and maintained server-side API using Node, and internal UI using React
- Implemented SSO feature and an IP Whitelist System for ICM
- Updated NetScaler Automation Scripts using Python to incorporate IP Whitelist System
- Created unit tests and improved API code coverage by more than 15%

Scotiabank GBM – Technical Analyst

Sept 2016 – Dec 2016

- Optimized performance of existing web applications by more than 50%
- Designed and created a flexible web application to convert Excel to database tables using ASP.NET
- Documented application structure and algorithms to ease future development

Toronto Transit Commission – Application Analyst

Jan 2016 – Apr 2016

- Using ASP.NET, designed and developed a reporting tool for internal employees, allowing users to search and sort by criteria
- Created stored procedures and triggers in Microsoft SQL Server to optimize application performance

Technical Projects

Currency Converter App (EngHack 2016)

- With a group of three, created a real-time currency converter Android app using Java and currencyLayer API
- Responsible for implementing conversion algorithm and unit tests
- Currently recreating the App in web using React.js and Node/Express.js