

MICHAEL CHI

2B Computer Engineering | University of Waterloo

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Technical Skills

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

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

Databases: PostgreSQL, MySQL, Microsoft SQL Server, Microsoft Access

Tools: Redis, Git, NetScaler, Postman, Vagrant, Unix Shell, Android Studio

Employment

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%
- Debugged ICM's MVC components with Java Spring

Scotiabank GBM – Technical Analyst

Sept 2016 – Dec 2016

- Optimized performance of existing web applications by more than 50%
- Designed and created a web application using ASP.NET, used by the entire Dev team to extract data from Excel to Microsoft SQL Server
- Documented application structure and algorithms to ease future development

Toronto Transit Commission – Application Analyst

Jan 2016 – Apr 2016

- Upgraded and maintained a Quality Assurance application using VBA and Microsoft Access
- Using ASP.NET, designed and developed a web application to display complicated data in well-formatted reports, allowing users to search and sort by criteria
- Created stored procedures and triggers in Microsoft SQL Server to optimize application performance

Technical Projects

Secondhand Book Website (UWWE)

- Ongoing project to create a web application for students to buy and sell textbooks using Ruby on Rails and PostgreSQL
- Implemented unit tests to ensure existing code base is functional
- Currently working on optimizing rendering performance, and implementing the UI using a JavaScript library

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