



Experience

Full Stack Software Engineer

Toronto, ON

Universe

May 2019 | August 2019

- Developed business-critical features including custom schedulable and filterable CSV export for clients, payment refund, action-triggered emails using Ruby/Rails, React/ReduxSaga, CoffeeScript/Ember, GraphQL, MongoDB and PostgreSQL
- Automated ledger syncing process for 15 currencies and Zendesk support ticket creation in Ruby
- Resolved and further prevented clients-reported issues by fixing bad data and bugs in the code
- Monitored a ticket sale with a flow of near 30,000 concurrent user count
- Created a weekly reporting Slack bot and a GitHub repository finder during internal hackathons

Software Engineer

Toronto, ON

Connected Lab Inc

September 2015 | April 2016

- Built iOS/tvOS companion music streaming apps and a Bluetooth(BLE) HTTP-like server as the communication system between devices
- Created an IoT device with a combination of Amazon Alexa, Amazon Web Service and Raspberry Pi
- Wrote a WebSocket Objective-C library conforming to RFC6455 protocol
- Audited client's Objective-C libraries, identified bugs and fixed memory leaks
- Investigated React Native and Xamarin for cross-platform technologies

Software Developer

Calgary, AB

Matrix Solutions Inc

January 2015 | April 2015

- Built a RESTful service in Golang using the goji framework with MySQL as database and a .NET WPF application to minimize delivery time to clients
- Developed in Test Driven Development (TDD) utilizing Moq and NCrunch
- Familiarity with tools such as Teamcity, Fiddler, Postman, Resharper, Swagger

Projects

Plzstop

cutt.ly/MwZ3vVl | github.com/lyakyb/plzstop

- Productivity Chrome extension that blocks website access per user's demand

youngbin-kim.com

- Personal static website built in React/Gatsby/Netlify

FIRST Robotics - 1114 Simbotics

- Programmed manual and autonomous controls for robots using various sensors

Reminderer

github.com/lyakyb/Reminderer

- Developed a .NET WPF alarm, timer and schedule managing app with SQLite as database

HelpYouDecide

github.com/lyakyb/HelpYouDecide

- Developed an iOS app designed to help overcome people with indecisiveness by randomly picking an input given a set of user inputs

HMA 3D Printer

- Programmed Lego NXT to move a gantry for a 3D printer according to G-code commands
- Designed and built a 3D printer using 3D printed, machined and Lego Mindstorms parts

Skills

- **Software:** Ruby, Javascript(ES6), Objective C, C#, Java
- **Tools/Frameworks:** Rails/Sidekiq, GraphQL, React/ReduxSaga, Ember, AWS, WPF, BLE
- **Databases:** MongoDB, PostgreSQL, MySQL

Education

University of Waterloo

BASc, Mechatronics Engineering

Waterloo, ON

Expected May 2023

- Engineering International Student Award

Interests

I enjoy: Workingout, Cooking, Travelling, Robotics, eSports, Video Games