

YOUNGBIN KIM

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Experience

Software Engineer - Full Stack

Toronto, ON

Universe

May 2019 | August 2019

- Developed multiple business-critical core features including schedulable and filterable csv/xls export, refunding a process fee, automated email on disputes using Ruby/Rails, React/ReduxSaga, GraphQL, MongoDB and PostgreSQL.
- Automated syncing ledgers for 15 currencies and Zendesk ticket creation on the old support page using Ruby.
- Resolved clients reported issues and bugs by fixing bad/orphaned data for the client and fixing bugs in the code.
- Created a weekly reporting Slack bot and a GitHub repository finder during monthly 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

youngbin-kim.com

- Personal website built in React/Gatsby/Netlify. Can be accessed using QR Code above.

FIRST Robotics - 1114 Simbotics

- Programmed manual and autonomous controls for fully functioning robots using vision tracking(OpenCV) and sensors

Reminderer

github.com/lyakyb/Reminderer

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

HelpYouDecide

github.com/lyakyb/HelpYouDecide

- Developed an iOS application 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#, C++, Java, Python, Go
- **Tools/Frameworks:** Rails/Sidekiq, React/ReduxSaga, Ember, AWS, OpenCV, WPF, BLE
- **Databases:** MongoDB, GraphQL, 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, Pho Lover

Video Games: CSGO, League, COD4Promod, God of War is 2018 GOTY