Ryan Perry-Nguyen

Software Developer / 4A Computer Engineering Student

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TECHNICAL SKILLS

Confident With
- Java
- JavaScript
- Ruby
- Git
- Vim

Comfortable With
- Android
- AngularJS
- Less / CSS
- ExpressJS
- StrongLoop
- GulpJS
- MongoDB
- Rails

Familiar With
- Python
- SQL
- Linux
- React
- C

EXPERIENCE

Wealthsimple *(Backend Web Developer)*
[September 2017 – December 2017]

- Worked closely with lead developer of my team to debug and fix unusually high levels of memory consumption in a distributed microservice showing erroneous behavior only in production.
- Led the back-end development efforts on implementing a tax document pre-generation service for all Wealthsimple clients.
- Completely refactored the documents/statements web page with ES6 JavaScript, following Angular 1.6's component-based architecture.
- Met and worked alongside customer support team on a frequent and regular basis to solve issues of high sensitivity.

NanoPay Inc *(Backend Web Developer)*
[September 2016 – December 2016]

- Wrote an internal tool to scrape through MongoDB's internal datasets to recover user history information to investigate suspicious activity and suspected fraud committed by users.
- Helped design and implement a new system for instant back account verification.
- Refactored several core services to help enforce a consistent code style with several best practices such as separations of concerns, promisification, and enforced linting tools.

Pebble Technology *(Android Developer, Developer Evangelist)*
[May 2015 – August 2015, January 2016 – April 2016]

- Helped lead the investigation to assess, compare, and select a heart rate monitor for the Pebble 2 and Pebble Time 2.
- Created the initial software prototype of the Pebble Core.
- Created and ran a workshop intended for a mixed audience of new and intermediate developers.
- Represented Pebble at Hack the Planet to foster relations with new and experienced Pebble Developers.
- Continued App development tailored for use with the various Pebble Smartwatches.
- Restructured 80%+ of unit tests for the Android platform to conform to a single style-guide with documentation.
- Completely re-implemented the analytics workflow within the app.
- Collaborated closely with the team lead as well as other developers, designers, product managers, and other technical/non-technical roles to deliver new features.

PERSONAL PROJECTS

Uber Prepared
Hack the Planet 2015

UberPrepared is an offline texting bot that allows you to schedule Uber trips ahead of time. UberPrepared made use of Twilio's API to allow interaction with Uber's API without any internet. The server side of Uber Prepared was implemented using Node.js, ExpressJS, and MongoDB.

Pixel Perfect Piece of Pizza Bot
Kik Hackathon 2015

Pixel Perfect Piece of Pizza Bot is an automated AI robot you can talk to make your pizza order. Messages were intelligently parsed to keep dialog between the bot and user as natural as possible. Created using Node.js, ExpressJS, HTML, LESS, AngularJS and GulpJS.

YoDoorbell
YHack 2014

Using a Tessel microcontroller we created a doorbell capable of taking pictures and recording the temperature right outside your door. The information was sent to a registered user via YO's API in conjunction with our Node.js and ExpressJS backend.

ExploreTO
Startup Weekend Toronto 2014

ExploreTO was a web service created during Toronto's startup weekend. It was built using modern technologies such as Node.js, ExpressJS, MongoDB, HTML, CSS and AngularS. ExploreTO was a collaborative project with several non techs, designers, and other developers.

Secret Santa Matcher
December 2014

A website to make it easy to see who had whom for a certain secret Santa event. Used Facebook's API to extract information from an event and show profile photos for a user's match. Created with HTML, LESS, AngularJS, GulpJS, Node.js, ExpressJS and

CarpUWL
HackWaterloo 2014

CarpUWL is an Android app, designed to make it easy for students to schedule carpooling from and to cities. CarpUWL was made for Android using the Eclipse IDE. Its backend services were written in PHP.

AWARDS AND ACHIEVEMENTS

1st Place Winner – Kik Hackathon
Project: Pixel Perfect Piece of Pizza Bot

Awarded to the best project created during Kik's hackathon, hosted in partnership with Hack the North and the University of Waterloo. Included $500 per group member towards any cool tech currently on the market.

Engineering Society Award
Project: carpUWL

Received the award at HackWaterloo; the criteria for this award included being the best project with a team with a majority of engineers.

The Doer Award
Project: ExploreTO

Awarded to the project who the judges deemed to have worked the hardest. This award was won at Toronto's start-up weekend and included a year's worth of vitamin water.