

Objective

To leverage the power of technology to solve meaningful problems in an impactful way, and continue the advancement of frameworks and methodologies used to create reliable, scalable, and secure software applications.

Skills

Operations

Deployed apps with Elastic Beanstalk and Heroku; built and published Docker images; created VMs with Vagrant; wrote functional and integration tests in Go

Backend

Implemented APIs in Node, Go, Java, and PHP; used popular frameworks such as Express, Gorilla, Spring; stored data with SQL/NoSQL, Websockets, Redis, Rabbit

Web

Created web apps using React, Angular, jQuery; used modern JavaScript libraries such as lodash, Moment, Promises; designed websites using Bootstrap and SASS with Grunt and Gulp tasks

Mobile

Developed native apps using React Native for Android and iOS; written native modules in Java and Objective-C; developed hybrid apps using PhoneGap

Data

Used the term "Big Data" in a sentence... but I at least had roommates who were data scientists and attended many talks, working on a project for this purpose

Work Experience

PRODUCT LEAD - blueRover - Kitchener, Ontario - Jan 2016 to Apr 2016

- Created native apps with React Native from scratch and released to Google Play (<https://goo.gl/rUIM0x>) and iTunes
- Developed app to take temperature checks with a Bluetooth probe, written in JavaScript and native code in Java and Objective-C
- Updated web application using React and Flux, as well as API using Node, Express, Socket.IO, Redis, RabbitMQ, and MariaDB

LEAD DEVELOPER - Bauxy - San Francisco, California - May 2015 to Aug 2015

- Developed a platform to automate the process of receiving reimbursements from out-of-network health providers
- Handled operations side of stack using Docker containers and Amazon Web Services such as Elastic Beanstalk, EC2, S3
- Wrote web apps and services in Go and Python, used OpenCV for processing images of bills

FULL-STACK NODE DEVELOPER - FlashStock - Toronto, Ontario - Sep 2014 to Dec 2014

- Developed single-page web apps and a RESTful API to manage requests of custom stock photography from brands to photographers along with curating photos and analyzing data through an internal web application
- Built frontend with AngularJS, developed API using Node, Express, and Mongo, configured build environment with Vagrant

FULL-STACK JAVA DEVELOPER - Nuvation Engineering - Waterloo, Ontario - Jan 2014 to Apr 2013

- Developed an internal application to provide employees with a variety of features such as tracking vendor purchases and bills, viewing employee profiles, viewing current projects, and maintaining timecards
- Built using Spring for Java, and used Hibernate with MySQL

WEB DEVELOPER - Rich Media - Toronto, Ontario - May 2013 to Aug 2013

- Developed web and mobile apps for ScotiaBank, which called an external API to search for places listed for sale and filter homes based on user preferences and then plot the data on Google Maps
- Created hybrid apps for Android, iOS, and Blackberry using PhoneGap, wrote backend in PHP

Projects

REAL TIME COLLABORATIVE MARKDOWN EDITOR - [markdowners/markdowners](#)

A hackathon project for MeteroHack 2015 that ended up winning for most technically impressive. Built in a team of three, we were inspired to create it because of our heavy use of markdown for school. We also disliked the lack of tools for editing in markdown, so we took ideas from the available markdown editors and created markdowners. Developed using Meteor, ShareJS, MarkedJS, and Ace.

URL SHORTENER - [dimitriwalters/url-shortener](#)

Inspired by the hundreds of existing URL shorteners, I was curious enough to build my own and see how difficult it was to create a URL shortener service. After lectures one day, I went to the library, put some good music on, and in one session implemented a URL shortener using no backend language — only JavaScript and Firebase as a database — and pushed it to my webhost.

COURSE ANALYTICS - [dimitriwalters/course-analytics](#)

Data mining has been something I've been interested in doing for a long time. I decided to start a project that will allow me to run data analytics, and the data I chose was courses. I created a server-side app using Node and Express, which allows a user to input course data into a MongoDB database, and show analytics on that data using map reduce. Some of my future plans include using charts and adding Hadoop to the picture.

NPM PACKAGES - [npmjs.com/~dimitriwalters](#)

A few years ago, I was a huge Node fanboy. I enjoyed writing in JavaScript, but I also liked npm and how the most common packages used were developed from users. I wanted to contribute as well, and have been writing packages since. I wrote packages to generate random data (such as numbers, elements), create binary strings and arrays based on run-length, do arithmetic in a different syntax, and a joke package based on left-pad.

Education

CANDIDATE FOR HONOURS BACHELOR OF COMPUTER SCIENCE - University of Waterloo, Waterloo - 2012-2017

- Computer Science Co-operative Program, Software Engineering Option, Management Studies Minor

Interests

Piano, Graphic Design, Badminton, Basketball, Running, Poker, Anime, Parks, Concerts, Writing, Hacking!