

# Ben Church

## Full Stack Software Engineer

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### Experience

#### **Pandell**

July 2015

##### **Software Engineer**

🌐 <http://pandell.com>

Worked across multiple teams to deliver highly customizable expense tracking and GIS mapping software for over 50 clients

Implemented a system to allow for expense communication across companies

Created a Map based expense tracking views

Designed a modular system to allow for grainular customizations to our code base to serve 54 individual clients

C#, .Net, TypeScript, JavaScript, Knockout.js, Gulp.js, MsSql, Git, Jira, Github, Teamcity

#### **Socoloco**

August 2013 - June 2014

##### **Software Engineer**

🌐 <http://socoloco.ca>

At Socoloco I was a member of a highly talented team developing software solutions for an international market. I was adept at translating challenging and ever changing business requirements into usable software products.

Implemented a complex and modular review system for their ecommerce site [digg.it.ca](http://digg.it.ca)

Designed and created an automated test system for the companies various web products

Coordinated the design, revisions and release of two mobile applications on Android and iOS for the DiggIt brand

Worked across 4 different products: <http://www.begiving.ca>, <http://www.gobid.ca>, <http://www.digg.it.ca>, <http://www.usedhelps.com>

Python, Django, CoffeeScript, JavaScript, PostgreSQL, Selenium, SASS, Bootstrap, Git, Jira, Jenkins, Gerrit

## **Code-Rite Data Integrity Solutions**

May 2012 - December 2012

### **Web Developer**

 <http://www.code-rite.com>

A integrated invoice ticketing solution for Oil and Gas Companies

Designed and implemented modifications to the companies web services using HTML, CSS, and .Net

Created and executed testing procedures for the company's main product.

## **Skype**

June 2012 - September 2012

### **Quality Assurance Engineer**

 <http://www.skype.com>

Performed self directed quality assurance tests for future releases of the Skype messaging client

Worked with an international team to identify numerous issues with alpha and beta products

## **Banff Lake Cruise**

June 2010 - August 2014

### **Interpretive Guide / Vessel Operator**

 <http://www.brewster.ca>

Provided hour long curated interpretive tours for large international groups

Maintained the mechanical equipment of large, 60 passenger water vessels.

Safely navigated passenger carrying vessels through large waterways

## **Education**

### **University of Victoria**

2010 - 2015

Bachelor

#### **Computer Science**

 GPA: 3.6/4.0

Specialization in Software Engineering

Specialization in Human Computer Interaction

## Volunteer

### Ghana Futures

November 2011 - September 2012

Web Designer / Online Marketing Strategist

 <http://www.ghanafutures.org/>

A Charity committed to furthering education for young girls in Ghana

Visually designed and developed consumer-facing website for the company.

Designed and executed a number of online and offline marketing strategies for the company's events.

Created and managed the entirety of their social media presence across Pinterest, Twitter, and Facebook.

## Publications

 *Local Travel App*

A geo location based travel application for iOS build with Objective-C, Node.js, Express.js, PostgreSQL and PostGIS

 *Hacker Hiring Search*

Multi keyword search for Hacker News' Whos Hiring Threads built with React

 *Thoughts*

A Real Time Messaging App built on meteor

 *Drink Bot*

A Slack based chat bot that suggest drinks based on flavor notes and ingredients built with Node.js

 *Ray Tracer*

Ray tracer written in Python used to demonstrate the phong illumination model, reflection and refraction lighting techniques.

 *Google Places Opening Hours*

A predictive model (J48) to determine the operating hours of businesses on google maps based on tags and location with 80.7% accuracy



Informs a user of how much sunlight is left in their day using html5's geolocation features built with Javascript and PhoneGap

## Skills

### Programming Languages

Python C# Objective-C Javascript Typescript CoffeeScript

### Front End Frameworks

React.js Knockout.js Lodash RxJs jQuery Ramda Bootstrap  
SASS

### Back End Frameworks

Django Flask Node.js Express.js Koa.js .Net

### Mobile Technologies

iOS SDK PhoneGap

### Databases

MySQL Postgresql MongoDB MsSql

### Version Control

Git

### Operating Systems

Linux OSX Windows Android iOS

### Other Applications

Jira Trello Gerrit Jenkins Team City Photoshop Gimp

## Languages

English Mandarin

*Native speaker* *Moderate*