

## **Timothy M. E. Beamish, MSc., BSc.**

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I am a Senior Staff Engineer and Web Team Lead, at PlentyOfFish, one of the world's largest online dating sites. I specialize in full stack web applications at scale and user experience design.

### **CAREER OBJECTIVE**

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I am eager to work with an innovative, clever yet fun team, offering me daily challenges, using the right technology, to build elegant, fast and responsive web applications.

### **SUMMARY OF QUALIFICATIONS**

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- **20+ years** of development experience
- **Proven leadership** managing **scrum** and **inspiring** the team
- **Highly proficient** in **trending web technologies**
- **Motivated** to grasp new concepts, implement ideas quickly, and **measure** the success of projects upon **completion**
- **Innovative problem solver** who enjoys constant challenges
- **Strong public speaker and communicator.** Experience with conference presentations, teaching both large and small groups, and entertaining large crowds
- **Expert technical writer** exhibited through published academic papers
- **Dedicated** team member who understands **Agile Methodologies**
- Works well **independently** with **exceptional time management skills**

### **TECHNICAL SKILLS**

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#### **Programming Languages**

JavaScript, TypeScript, C#, PHP, Java, C++, C, Tcl/Tk, SmallTalk, OPL, Modula-2, Basic

#### **Mark-up Languages**

HTML5, CSS3, SASS, LESS, XML, DTD, XML Style Sheets (XSLT), Java Document Object Model (JDOM)

#### **Web Scripting Frameworks, Protocols and Patterns**

React, Redux, Gatsby, NodeJS, JWT, OAuth, OpenID, AngularJS, AJAX, jQuery, Require JS, CSRF

#### **Database Systems**

MySQL, SQL Server, Redis, Postgres, Mongo, OpenSQL, SQLite

#### **Content Management Systems, User Interface Patterns and Frameworks**

ASP.NET, Drupal, Wordpress, Zend, MVC architecture

#### **Theme Frameworks**

Material UI, Foundation, Bootstrap, Styled Components, Emotion

#### **Web Servers and Web Protocols**

Apache, IIS, NodeJS, HTTP, SSL, TLS, SOAP, REST, CRUD, RPC, WebRTC

#### **Commerce Systems**

Drupal Commerce, Paid Memberships Pro, Custom Paypal Integration, Stripe, OSCommerce, XCart

#### **Mobile Development**

Android SDK, PhoneGap, Titanium

#### **Installation, Packaging, Build and Deployment Tools**

NPM, Yarn, WebPack, Drush, Grunt, Bower, Bowerful, Browserify

#### **Version Control Systems and Software Management**

Git, JIRA, Stash, Confluence, Subversion, GitHub, GitLab, BitBucket, Bugzilla

#### **Operating Systems**

Bash Linux, Real-time Linux, Windows (all versions), Android, MacOS, OS/2

## WORK EXPERIENCE

Please visit [timothywisdom.com/portfolio](http://timothywisdom.com/portfolio) for web portfolio

### Plenty of Fish, Vancouver BC

Jan. 2018 – present

#### Senior Staff Engineer and Web Team Lead

- Built tech stack for React Web App with ASP.Net Core server
- Maintain ownership and health of all desktop and mobile web code, including reporting metrics to Product teams
- Lead team scrum and manage work flows for development team
- Investigate errors and quickly resolve critical situations
- Spearheaded the next generation of POF Web - converting desktop and mobile websites into a single React PWA
- Engineered a custom analytics reporting system to measure features in production
- Engineered the Payments flow, including API and MicroServices Layers
- Developed an advertising bidding platform with GDPR considerations to increase ad revenue by 30%

**C#**  
**ASP.Net Core**  
**React/Redux**  
**ES6 JS**  
**Typescript**  
**Webpack**  
**MVC**  
**Git**

### Plenty of Fish, Vancouver BC

Jan. 2015 – Dec 2017

#### Senior Web Developer

- Developed scalable web solutions for a user base of 100 million users with 4 million daily active users.
- Developed POF's first responsive mobile web platform
- Implemented a Facebook App to transfer Facebook images to POF profiles
- Created new matching algorithms for pairing users
- Implemented a custom analytics system for recording user experiences through the application code
- Implemented an experiment framework for split testing new features for a subset of users
- Implemented a front-end image filtering system to improve user images

**C#**  
**SQL Server**  
**ASP.NET**  
**Javascript**  
**jQuery**  
**Bootstrap**  
**Facebook API**  
**MVC**  
**Git**  
**JIRA**  
**Stash**  
**Confluence**

### Fresh Rotation, Vancouver BC

Sept. 2015 – present

#### Technical Lead and Senior Developer

- Developed a social network platform for musicians to post music, follow artists and collect fans.
- Developed rigorous analytics tracking system with Piwik and Javascript error reporting
- Setup and maintenance of Ubuntu server running Apache.
- Organized eight developers from around the world via a GitLab ticket system and weekly online scrum meetings
- Created code sprints
- Conducted code reviews
- Designed MVC framework and CRUD/REST API
- Merged NodeJS server with PHP on Apache Server

**PHP**  
**MySQL**  
**Linux**  
**Apache**  
**jQuery**  
**AngularJS**  
**NodeJS**  
**Mongo**  
**Express**  
**Git**  
**Piwik**  
**GitLab**

### Software Development Contractor, Vancouver BC

Dec. 2000 – present

#### Self Employed Lead Software Developer for a Variety of Start-up Companies

- Companies include: Soundwise, Happy Frog, UBC, DIY Dharma and Adriane Carr
- Drupal development specializing in Drupal Commerce and custom modules written using industry standard coding techniques
- Wordpress plugin design and theme development

**PHP**  
**MySQL**  
**Linux**  
**Apache**  
**jQuery**  
**AngularJS NodeJS**

<ul style="list-style-type: none"> <li>• Developed AJAX AngularJS and jQuery application using SoundCloud API and OAuth</li> <li>• Created a NodeJS web server connected to a Redis Database using the Google Maps API and web sockets for real-time social game</li> <li>• Developed Android app, connecting Drupal database to mobile user</li> <li>• Ported legacy databases to Drupal framework through PHP and Tcl/Tk.</li> <li>• Created XML/XSL templates for site generation through Java web engine</li> </ul>	<b>Drupal</b> <b>Node</b> <b>Git</b> <b>Tcl/Tk</b> <b>XML/XSL</b> <b>Google Maps API</b> <b>SoundCloud API</b> <b>Wordpress OAuth</b> <b>AJAX</b> <b>MVC</b>
<b>Dana.io (now CrowdGift.ca), Vancouver BC</b> <i>Lead Web Developer</i>	May 2014 – present
<ul style="list-style-type: none"> <li>• Complete development of crowd-funding platform with online transactions</li> <li>• Created custom parallel payment gateway for PayPal and Drupal Commerce</li> </ul>	<b>PHP</b> <b>MySQL</b> <b>jQuery</b> <b>Drupal</b> <b>Git</b>
<b>MetalIntegral.com, San Francisco CA</b> <i>Lead Web Developer</i>	Jan 2012 – Aug 2012
<ul style="list-style-type: none"> <li>• Complete development of multi-domain commerce and social networking site</li> <li>• Synced user accounts seamlessly across subdomains</li> </ul>	<b>PHP</b> <b>MySQL</b> <b>jQuery</b> <b>Drupal</b> <b>Git</b>
<b>Overinteractive Media Inc/Dime Rockers/CBC, Vancouver BC</b> <i>Web and App Developer</i>	Oct 2011 – Jan 2012
<ul style="list-style-type: none"> <li>• Designed and implemented large scale social Facebook application for Kraft and the NHL using Zend MVC framework</li> <li>• Followed Design mock-ups and wireframes to create interactive front-end</li> </ul>	<b>PHP</b> <b>jQuery</b> <b>Zend</b> <b>MVC</b> <b>Facebook API</b>
<b>Georgia Straight Newspaper, Vancouver BC</b> <i>Senior Web and Mobile Software Developer</i>	Oct 2010 – Oct 2011
<ul style="list-style-type: none"> <li>• Managed large scale Drupal site (data heavy), including mobile apps and user interface design</li> </ul>	<b>PHP</b> <b>Drupal</b> <b>jQuery</b>
<b>University of British Columbia, Vancouver BC</b> <i>Teaching Assistant</i>	June 2001 – Dec 2003
<ul style="list-style-type: none"> <li>• Taught laboratory portions of courses on programming in C++, fundamentals of Computer Science and social impacts of technology</li> </ul>	<b>C++</b> <b>Design Patterns</b>
<b>Nortel Networks, Ottawa ON</b> <i>Software Developer</i>	May – Aug 1999, Jan – Apr 1998
<ul style="list-style-type: none"> <li>• Designed and implemented a graphical debugging tool for automated call flows</li> <li>• Developed monitoring applications for media servers and call flows</li> <li>• Created a central code repository and security rules for department's project code</li> </ul>	<b>C</b> <b>Tcl/Tk</b>

**Object Technology International, Ottawa ON**  
*Software Developer and Quality Assurance Tester*

Sept – Dec 1997

- Developed user interface for the Visual Age for Java SDK
- Managed automated test systems for testing Visual Age for Java

**Smalltalk**  
**Java**  
**Tcl/Tk**

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## **EDUCATION**

**University of British Columbia**, Vancouver, BC, 2001-2003

Master of Science in Computer Science

**Acadia University**, Wolfville, NS, 1995-2000

Bachelor of Computer Science with Honours

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## **AWARDS AND ACHIEVEMENTS**

- NSERC PGS-A Grant (2000)
- ASI Entrance Scholarship at UBC (2000)
- Published and presented academic papers at prestigious conferences (CHI, ICAD, Haptics Symposium)
- Acadia Special Manning Entrance Scholarship (1995)
- Dean's List Scholar at Acadia University (1997-2000)

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## **OTHER SKILLS AND PERSONAL INTERESTS**

- Music Production, DJing, MCing, Entertaining
- Hacking Technology
- Public Speaking, Crowd Engagement
- Bitcoin, Cryptocurrency
- Cycling, Hiking, Snowboarding, Skiing
- Complicated Board Games
- Perfecting Waffles

*References made available upon request*

*More information, references and endorsements at LinkedIn:*

<http://ca.linkedin.com/in/timothybeamish/>

*GitHub Profile*

<https://github.com/timothywisdom>