

## Summary

- Senior software developer and lifelong technologist with a broad experience across a spectrum of software disciplines.
- Interested in helping businesses find creative and effective solutions to their problems, improving productivity through automation and collaborating with coworkers to produce exceptional work.

## Work Experience

- **Ontario Teachers' Pension Plan** Toronto, ON, Canada  
*Senior Software Developer* *June 2015 - Present*
  - Lead developer of “Member Web” - OTPP’s secure customer web portal used by our 300,000 active and retired members. I developed and launched a partial re-write of the site from a monolithic Java application using the Wicket framework, to an interactive AngularJS application integrated with RESTful APIs written in Spring Boot.
  - Re-architected Member Web’s Document Centre to provide a richer experience for our members with expanded file-type support, file previews, upload progress and drag-and-drop functionality.
  - Automated the provisioning of development environments and deployment of web applications using Chef.
  - Developing mobile applications using the Ionic framework and maintained OTPP’s content management system.
- **Sportech PLC (Football Pools)** Liverpool, Merseyside, UK  
*Agile Web Developer* *May 2014 - May 2015*
  - Developed a large scale (6,000,000+) internal call centre support system written in Ruby on Rails with Postgres DB. Scaling on this project was hard due to the vast amounts of data we were dealing with. I leveraged background job processing with Redis to help work through some of Ruby’s memory issues.
  - Collaborated with offshore team at ThoughtWorks - included reviewing incoming pull requests.
  - Operated and maintained the Go CI system
  - Provisioning local development environments and production servers using Puppet.
- **Sensible Development** Brighton, East Sussex, UK  
*Software Developer* *Aug 2012 -Mar 2014*
  - Fixing bugs and implementing requested features into Sensible’s auction platform using Java, Hibernate, JPA and MySQL.
  - Using Django framework and Python to create custom Content Management Systems and E-Commerce platforms.

## Education

- **University of Liverpool** Liverpool, UK  
*BSc. Computer Science* *2009 - 2012*
  - Completed university dissertation project - “Visualising Dynamic Programming Algorithms” - with a first-class grade.
  - Degree modules: Databases, Mobile Computing, Advanced OO Programming, Algorithms and Data Structures, Networks, Software Engineering, Artificial Intelligence, E-Commerce and others.

## Skills

- **Software Development:** Writing code has been the core of my career. I strive to deliver clean, elegant and readable code in whatever programming language I am using.
- **Agile Best Practices:** I am a strong subscriber of the Agile Manifesto and the benefits it brings to software development; particularly utilising TDD, short delivery life cycles and pair programming.
- **DevOps:** Professionally, I have experience writing deployment pipelines using both Chef and Puppet. In my own time, I use Ansible to create idempotent scripts that I use to provision a variety of Virtual Machines running on my personal Dell ESXi server.
- **Database and Servers:** Experienced in designing and implementing databases, including normalising of data and indexing using both MySQL and Postgres RMDBS. I am also experienced with writing efficient SQL queries.
- **Computer Science:** Designing, testing and evaluating sequential algorithms, able to identify appropriate data structures, familiar with core operating system concepts, concurrency and multi-threading.
- **Team Skills:** I’m able to communicate ideas and feedback effectively with other co-workers. Listening to teammates opinions and concerns to hash out the best solution for a given problem. I also enjoy researching problems to find effective tools, processes and technical solutions.

## Personal

- **Hobbies:** Reading, Electronics (Arduino/Raspberry Pi), contributing to Open Source projects, blogging and travel.  
Recently I’ve been interested in functional programming. In my spare time I’ve been working with Elixir and the Phoenix framework on some small personal projects.  
I’m particularly interested in how problems can be solved differently using a functional programming language with strong distributed capabilities.
- **My Ideal Position:** Collaborating with a solid team solving challenging problems. I thrive in fast-paced environments that allow me to use the skills I have honed throughout my development career.  
I am continually expanding my expertise and would love to work in environment that encourages learning.