

# Andrew Garner

## Summary

I'm a Software Engineer and Agile Practitioner. I care about my craft. I believe in putting users first. I help teams deliver digital products and services. I'm an advocate of systems that are coherent, reliable, and maintainable.

## Skills & Expertise

- Service design
- Systems thinking
- Agile methods
- Continuous delivery
- DevOps
- Test-driven development
- Responsive web design
- CSS architecture
- Ruby
- Go
- JavaScript
- Docker
- Puppet
- RabbitMQ
- Redis
- PostgreSQL

## Projects

### Pension Wise

September 2014 to April 2016

I helped a multidisciplinary team take HM Treasury's Pension Wise service from Discovery through to Live. The service provides web, telephone and face-to-face Pension guidance. It has a customer satisfaction rating of 88%.

- I helped the team to build and run the service using agile methods
- I helped the team design operational processes and use data to improve the service
- I helped the team choose technology and provide appropriate security for the information it receives, processes and stores
- I helped with user research activities:
  - ◊ identifying assumptions to test
  - ◊ building prototypes
  - ◊ observing lab research sessions and creating transcripts
  - ◊ site visits
  - ◊ taking part in analysis
- I set up development environments to allow the team to:
  - ◊ develop rapidly and iteratively
  - ◊ experiment quickly
  - ◊ continuously test and monitor

- I set up pipelines to allow frequent, low-risk deployments
- I set up monitoring systems and dashboards
- I built applications and services using Ruby on Rails, Cucumber, RSpec, Go, Travis CI, Heroku, Twilio and Zendesk

*github.com/guidance-guarantee-programme*

## Money Advice Service

December 2013 to August 2014

I helped the team that built the Money Advice Service's responsive website with technical leadership, technical architecture, DevOps and hands-on development.

- I was responsible for the overall architecture. I established a modular design style that isolated domain and application logic:
  - ◊ code was easy to reason about and change
  - ◊ the domain could be tested in isolation from the application
- I helped set up a living style guide and component library
- I championed feature development from the outside in with declarative user stories and page objects
- I enabled us to release production code from the very first iteration using feature toggles

*github.com/moneyadvice/service/frontend*

## White Label Dating Push Notification platform

Real-time, message-driven pipeline using Ruby, AMQP, RabbitMQ and Pusher following an event pattern.

## White Label Dating API & Mobile platform

JSON API and responsive website with ~500 tenants backed by a service based architecture written in Ruby. Continuous deployments to a Rackspace Cloud infrastructure described and orchestrated with Puppet.

## White Label Dating Transactional Email platform

High-performance, high-volume, message-driven pipeline using Ruby, AMQP and RabbitMQ following a command pattern.

## Me + My Workplace

A product to assist organisations understand what employees do during their working day, where they do it, and how. Supports property teams by enabling them to assess the suitability of existing/potential accommodation and determine environmental and work setting requirements.

# Experience

## Founder and Principal Consultant at SureFire

October 2012 to Present

SureFire help startups, non-profit organisations, enterprise companies and government make digital products and services.

## Senior Software Engineer at Venntro

December 2009 to September 2012

Venntro are a Deloitte Fast 50 technology business. Their award-winning service, WhiteLabelDating.com, provides market leading online dating technology for brands and entrepreneurs. The multi-tenant platform caters to over 1.7k partners, operating over 25k sites, for 50M members.

I lead a team servicing a technology stack consisting of Ruby, Node.js, ColdFusion, MySQL, RabbitMQ, Redis, Memcached, Sphinx and Puppet.

## Developer at iDEA

February 2008 to November 2009

iDEA are a multi-disciplined design and communications agency comprising of twenty specialists with a combined expertise in workplace, interior design, sustainability and digital media.

I worked on accounts for The BBC, Birmingham City Council, Gensler, HP, Johnson Controls, Microsoft, Natural England, CallisonRTKL, Sheffield City Council and Unilever.

## Developer at Lighthouse

June 2004 to January 2008

Lighthouse are a small marketing and technology services agency. I worked on accounts for ASSA Abloy and Siemens Energy Services.

# Qualifications

- BSc (Hons), Internet Computing with Industrial Experience [1:1],  
The University of Hull