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## Experience

- February 2015 - Present* *Senior Developer (contract), HM Treasury*  
<https://www.gov.uk/hm-treasury>
- Ruby/Rails/Sinatra, Go, JavaScript/jQuery, PostgreSQL/Redis, Rspec/Cucumber
- February 2014 – December 2014* *Ruby Developer (contract), Money Advice Service*  
<https://moneyadviceservice.org.uk>
- Ruby/Rails/Sinatra, MySQL/PostgreSQL/Redis, JavaScript/jQuery, Rspec/Cucumber, Puppet/Ansible
- July 2013 - February 2014* *Senior Ruby on Rails Developer (contract), Econsultancy, <http://econsultancy.com>*
- Ruby/Rails, JavaScript/jQuery, MySQL/Redis/memcached/sphinx, Rspec/Cucumber, Puppet
- April 2013 – July 2013* *Software Engineer (contract), Global Personal <http://globalpersonals.co.uk/>*
- Ruby/Rails/Sinatra, JavaScript/CoffeeScript/jQuery, MySQL/Redis/RabbitMQ
  - Test Driven Development (TDD) using RSpec and Test::Unit
- August 2012 – February 2013* *Developer (contract), MyDrive Solutions*  
<http://mydrivesolutions.com/>
- Ruby/Rails/Sinatra, Postgres/MongoDB/Redis, RSpec/Cucumber/Steak
  - CocoaTouch and Objective-C development for iOS app, testing with OCMock and OCMock
  - setup, configured and wrote build scripts for Continuous Integration (CI) of Android and iOS apps using Jenkins
- September 2011 – July 2012* *Developer (contract), Converser*  
<http://converser.io/>
- Ruby/Rails/Sinatra, MongoDB/Redis, RSpec/Test::Unit
- January 2011 – September 2011* *Developer (contract), iQ Content*  
<http://iqcontent.com/>
- business intelligence development on top of Google Analytics
  - Ruby, Rails, MySQL and JavaScript/jQuery/Highcharts
  - testing with RSpec and some statistical analysis with R
- November 2010 – January 2011* *Developer (contract), Crafty Devil*  
<http://craftydevil.co.uk/>
- web development with PHP/CodeIgniter, JavaScript/jQuery and MySQL

*April 2010 - October 2010*

*Developer (contract), BT*  
<http://bt.com/>

- mobile application development on Linux with embedded JavaScript
- SpiderMonkey interpreter, SQLite, exposed systems-level functionality with C plugins

*June 2009 - February 2010*

*Developer, Rehab Studio*  
<http://rehabstudio.com/>

- web development with PHP/CakePHP, JavaScript/jQuery and MySQL
- administration of Redhat and Debian servers using dedicated hardware and Amazon Web Services
- task automation with Bash, Perl and Ruby scripts

*June 2008 - March 2009*

*Web/Application Developer, Creative Online Media*  
<http://creativeonlinemedia.com/>

- web development using C#/.Net, ASP/VBScript and PHP/CakePHP
- task automation with Ruby
- MS SQL Server 2005 & MySQL databases
- considerable JavaScript using jQuery, Prototype and MooTools frameworks

*August 2007 - June 2008*

*Programmer Analyst, Citi*  
<http://www.citi.com/>

- operational support to various real-time, high volume, distributed messaging systems
- working knowledge of TIBCO TIC, EMS, RV and RVRD, Sybase ASE and BEA WebLogic
- centralised job scheduling and process monitoring on Solaris and RedHat Enterprise Linux

*February 2007 - August 2007*

*Developer, Mac-Sys Ltd*  
<http://mac-sys.co.uk/>

- developed a custom business process management system
- PHP/CakePHP, MySQL and JavaScript/Prototype

*October 2004 - February 2007*

*IT Technician, Volunteer Development Agency*  
<http://www.volunteering-ni.org/>

- custom desktop applications using C#/.Net/WinForms and SQL Server 2005
- web/intranet applications using ASP/VBScript, VisualBasic/.Net and SQL Server 2000/2003
- managed a Windows Server 2003 domain and supported Windows 98/2000/XP clients

**Education**

1998 – 2004 *BSc Computer Science, Queen's University of Belfast*

Awarded First Class Honours

Dissertation Title: "An Object-Based Approach to Dialogue Modelling"

1996 – 1998 *A-Level, Portora Royal School, Enniskillen*

Mathematics	A	Physics	A
A/S Further Mathematics	B	A/S Computers	B

1991 – 1996 *GCSE, Portora Royal School, Enniskillen*

Physics	A*	Mathematics	A	English	B
Chemistry	A	French	A*	Geography	A
Biology	A	German	A	Art	B