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Experience

August 2012 - Present

Developer (contract), MyDrive Solutions
<http://mydrivesolutions.com/>

- contracted to deliver web application and API development
- Ruby scripting language and Rails, Sinatra, Grape and Goliath frameworks
- Postgres, MongoDB and Redis databases
- Test and Behaviour Driven Development using RSpec, Cucumber and Steak
- some iOS and Objective-C development for mobile API client

September 2011 – July 2012

Developer (contract), Converser
<http://converser.io/>

- contracted to deliver web application and API development
- Ruby scripting language and Rails and Sinatra frameworks
- MongoDB and Redis non-relational databases (NoSQL)
- Test Driven Development (TDD) using RSpec and Test::Unit

January 2011 – September 2011

Developer (contract), iQ Content
<http://iqcontent.com/>

- contracted to develop a business intelligence application built on top of Google Analytics
- API access and data manipulation undertaken with Ruby
- web interface developed with Rails framework, Highcharts library used for charting
- unit testing with RSpec, persistence with MySQL, source control with Git

November 2010 – January 2011

Developer (contract), Crafty Devil
<http://craftydevil.co.uk/>

- contracted to deliver web application development
- PHP scripting language with CodeIgniter framework and JavaScript/jQuery
- MySQL for persistence and hosted on Linux (CentOS)

April 2010 - October 2010

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

- contracted to deliver application development in a touch-screen mobile Linux environment
- developed GUI applications with JavaScript running on the SpiderMonkey interpreter
- exposed systems-level functionality with C plugins, facilitated persistence with SQLite
- participated in Scrum project management with standups, sprints, demos & retrospectives
- developed against quality control (HP Quality Center) and bug tracking systems (Bugzilla)

June 2009 - February 2010

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

- creation and maintenance of Linux/Apache/MySQL/PHP sites using CakePHP and jQuery frameworks, XHTML and CSS
- administration of Redhat Enterprise Linux and Debian servers
- task automation with Bash, Perl and Ruby scripts
- use of Amazon Web Services (AWS) including Elastic Cloud Compute (EC2), Elastic Load Balancing, Elastic Block Store and Simple Storage Service (S3)
- instigated agency-wide use of version control with subversion
- mentored staff on technical issues and best-practices

June 2008 - March 2009

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

- maintained back catalogue of C#/.Net, Classic ASP and PHP sites
- MS SQL Server 2005 & MySQL databases, XHTML markup and CSS styling
- used the CakePHP framework for greenfield development on a number of projects
- considerable use of Javascript & AJAX techniques, mainly jQuery with some Prototype and MooTools
- instigated use of version control with Subversion
- prompted move towards Linux hosting
- oversaw all technical issues within the agency and mentored 3 junior staff in technical matters

August 2007 - June 2008

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

- provided second level support to various real-time, high volume, mission-critical messaging systems used throughout the enterprise
- acquired working knowledge of many TIBCO applications (TIC, EMS, Rendezvous (RV), RVRD) and proprietary Java web-services
- hardware running Solaris and RedHat Enterprise Linux located in 4 data-centres across London and North America
- centralised job scheduling with Unicenter AutoSys and process monitoring via ITRS NetAgent
- some exposure to Sybase ASE and BEA WebLogic
- played a fundamental role in documenting these largely undocumented systems and processes on a wiki
- out of hours, on-call support

February 2007 - August 2007

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

- replaced the existing paperwork system with a web application which tracks the entire life-cycle of a repair, manages customer details and produces reports
- MySQL database and PHP scripting, building on top of the CakePHP framework
- some Javascript and AJAX via the Prototype library, XHTML markup and CSS styling
- version control with Subversion
- day-to-day work carried out using an Apple MacBook and I've used a Mac since
- researched Objective-C and the Cocoa framework to provide a possible rich desktop client

October 2004 - February 2007

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

- managed a Windows Server 2003 domain and provided support for Windows 98, 2000 & XP clients
- acquired working knowledge of Active Directory and Exchange Server 2003 with some exposure to Veritas backup solutions
- maintained agency website which was developed with ASP/VBScript and SQL Server 2000
- added additional features and fixed problems with an associated site developed with VisualBasic/.Net and MS SQL Server 2003
- contributed code to an in-house application used to administer grants in the Community Volunteering Scheme
- managed the deployment of new desktop systems using the Microsoft Sysprep tools and Symantec Ghost client & GhostCast server
- developed a Windows desktop application to manage the agency's list of internal extension and direct dial numbers using C#/.Net and SQL Server 2005
- replaced inadequate router with Linux-based solution constructed from disused equipment
- extended agency network by laying additional CAT5e cabling

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

Hobbies & Interests

I enjoy lifting weights, hill walking, investing and reading biographies.

References available upon request