Donal Farrell

+44 (0)78 5459 3765 • donal@donalfarrell.com

Summary

I am an enthusiastic software engineer with over 5 and a half years experience in front and back-end systems and have experience managing teams. While I primarily work with C#/.NET, I value keeping informed about current hardware and software trends and enjoy applying my experience to solve problems. I am looking to expand my skill set and tackle interesting and novel problems.

Technical Skills

Listed below is an overview of the languages, technologies and tools I have experience with:

Languages	Frameworks	Tools/Software	Platforms/Technologies
HTML5	MeteorJs	JIRA	Orchard CMS
CSS / Less / Sass	AngularJs	Bamboo	Wordpress
JavaScript	Bootstrap / Zurb	Jenkins	SSRS
CoffeeScript	Ext Js	NAnt	MongoDB
C#	Phonegap	SVN	SQL Server
Objective-C	WPF	Git (inc. GitHub)	Docker
Java	MS Unity / MEF	Trello	MS Azure Cloud
C / C++	Rhino Mocks	Bash	Digital Ocean
Visual Basic	iOS (inc. Cocoa)	Visual Studio	Oracle Databases
SOAP	Android	IntelliJ / Android Studio	Documentum
SQL	Xamarin Forms	Eclipse	MS Active Directory
Ruby	NUnit	HP QTP	Smart Card Authentication
	MS UI Automation	HP QualityCenter	MS OWIN (OAuth)
	WinForms	Fiddler / Wireshark	COM Interop
	NodeJs	Vagrant	
	ASP.Net 4.5+	ANTS Profiler	
	Ruby on Rails	JetBrains dotTrace	

Education

- **Imperial College, London, United Kingdom**   *2005–2009*
  Department of Computing, Masters Engineering Computing

  - Modules studied include: Advanced Databases, Simulation and Modelling, Software Engineering, Distributed Systems, Bio-informatics, Network Security, Hardware, Media Technology, Business Studies and Robotics.
  - Second year project: development of an on-line browser-based zombie trading game.
  - Third year project: development of a digital TV broadcasting over a network using multicast.
  - Thesis project: created a messaging system (text, multimedia) between mobile devices using a wireless ad-hoc network.

- **Belfast Metropolitan College and St. Malachy's College, Belfast, Northern Ireland**   *1998–2005*

  Advanced-levels in Mathematics[A], Physics[B], Biology[A], Chemistry[C]; As-level in Information Technology[A]; 10 GCSEs.

Employment History

Overview:
I have over 5 and a half years experience working in agile development teams following best practices for continuous software development, delivering flagship products; Currently, I offer consultancy services helping develop software ranging from native mobile apps to websites.

- **Greenfinch Technology Ltd** (www.greenfinch.ie)   **Dublin, Ireland**
  Software Engineer (Contractor)   *April 2015–Present (Monthly Renewal)*

  At Greenfinch I have been working on several projects including developing new web pages and components for an insurance claims brokerage system, a large multi-site web app written in ExtJs and ASP.Net; Researching and demoing the potential of various data analytics platforms (DataZen and RoamBI) that hook into deployed SSRS and SQL Server instances; Researching and implementing an Orchard CMS module that connects to an existing MS Active Directory domain on a local network and replicates itself over VPN to an external MS Azure cloud.

- **Sherwood Compliance Services Ltd** (www.sherwoodcompliance.co.uk)   **London, UK**
  Software Architect (Consultant)   *August 2014–April 2015 (6 Month Contract; Extended)*

  With Sherwood, I designed and developed a prototype, cross-platform application that allows users to add and value their belongings, hook into insurance and local service providers and also integrated with 3rd party services to provide metadata (e.g address lookup, property area info). I was given complete control over the development side and managed one other developer. It consisted of a web app made with AngularJs and an iOS/Android mobile app created using the Xamarin.Forms framework to give better integration and a more native feel. All components were synced using a ASP.Net/SQL Server backend hosted on MS Azure. The prototype was a success and an expansion of the project is planned.

- **102Somerton Ltd** (www.102Somerton.com)   **Belfast / London, UK**
  Company Director   *December 2013–Present*

  I have successfully launched my own company that provides bespoke software solutions to a global client-base. A selection of our products include:

  - **Caps Lock Notification**
    This is a simple, profitable utility written in C# that allows a Windows 8 computer to display on-screen notifications to the user describing the current state of the capitals-lock key.

  - **Teacher's Eye**
    This is a native iPad application developed in consultation with Early Years specialists, including educational psychologists and teachers, to monitor and record the behavioural development of preschool children. It increases teacher efficiency in the classroom, as well as allowing the creation of comprehensive educational profiles of children to inform future educational practice.

- **UBS AG**   **London, UK**
  Non-Officer -> Authorised Officer Promotion   *March 2013–August 2014*
  Lead Software Engineer   *January 2012–August 2014*
  Software Engineer   *January 2010–January 2012*
  6 Month Placement   *May–October 2008*

  As a permanent employee at UBS Credit Risk, I worked on several solo projects including development of a performance/load testing suite and a UI automation framework; I was a core developer for the departments flagship desktop application; Later, I was charged with leading a global team of 5 developers for over 1 year to deliver three separate projects whilst planning additional initiatives. I dealt with feature planning, coding, design decisions, sprint plan estimations, ensuring individual tasks were completed to a high standard, coordinating releases, engaging with end-users and managing defects. As a small team we all worked with the entire development stack (C#/WPF, Java, Oracle, Documentum).

Interests and Personal Development

In my spare time I enjoy working on various personal coding projects. Some of these are described on my personal site *donalfarrell.com*, for example:

- *MoneyTrak:* A MeteorJs application that allows a Natwest (a UK retail bank) customer to see their transactions in various graphs and tagged into different categories.

- *Gigspotting:* A Ruby on Rails project to develop a map-based view of gigs at a location, utilising the Songkick.com API.

- *Hubblog:* An Android application allowing me to write articles and commit them directly to GitHub Pages from a mobile device.

- *Meetups and Talks:* I am interested in the start-up scene and regularly attended the local Hacker News meetups in London as well as other talks and conferences, such as TEDx and the Future Of Web Apps conference.