Barry O'Connor

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Personal Summary

Recent graduate from Nottingham Trent University where I attained a First Class classification in BSc Software Engineering. Previously have experience as a Web Developer with over 16 years of full-stack development in smaller companies and I'm looking to take my career in a slightly new direction with a software engineering focused role in a larger, faster paced environment.

Education

Nottingham Trent University: BSc (Hons) Software Engineering: First Class
Microsoft Certified Professional: Visual Basic 5 and Access 95.
Loreto College, Coleraine: A-Level (1994-1996): Computing [A], French [C], Physics [E].
North West Institute of Further and Higher Education: RSA (1994): RSA Stage 1 Typing [Pass].
Loreto College, Coleraine: GCSE (1992-1994): 9 GCSE's A-B including Maths and English.

Summary of Academic Activities

Final Year Project: this involved creating an affordable yet feature rich IoT Arduino based weather station with backend to allow farmers from developing countries or those with small farms to make use of technology to monitor weather and help protect their crops.

Notable modules:

- Advanced Software Engineering (C++ / Haskell / Test Driven Development)
- Software Engineering (Unit Testing, CI with Jenkins, GitHub, Linux, Test-First Development, Test Driven Development)
- Mobile Application Development (Android Studio / Java / Google Firebase)
- Database Design (Oracle PLSQL)
- Software Design & Implementation (C++)
- Advanced Systems Analysis (group based Web project using Google Firebase)
- Practical Project Management (C# REST API and calendar website, Project Management)

Roles: I had several jobs at the university including Lead Student Mentor, Student Mentor, Student Ambassador, Classroom Assistant and Student Library Mentor. These involved mentoring other students whether that be one to one or in groups and helping them with the transition into university life and any issues they had with their coursework.

Professional Skills

Programming or Scripting languages:
C++, PHP, Java, Python, HTML5, CSS2/3, JavaScript/Ajax/XML/XSD, Haskell
Database:
MySQL, Oracle/PL SQL, SQL Server/T-SQL, Access, SQLite, Firebase Firestore (Google's NoSQL)
Other:
Adobe Fireworks / Illustrator / Photoshop / Premiere Pro / Audition. Git, Foundation 6 framework, SASS and a little GRUNT/GULP/NPM as required, MS Office.

Proven organisation skills handling multiple projects and multiple clients concurrently, analytical thinking with a problem-solving mindset, teamwork, confident communicator.

Employment History

2012 – Dec 2016   Exact Marketing   Developer
- Development responsibility included running projects, attending client meetings, defining timescales and making decisions about technology within the company.
- Maintained and updated the company CMS (PHP and MYSQL).
- Created websites, E-Commerce websites and web applications from designs in Photoshop.
- Maintained several portal applications and websites for clients.

2008 – 2012   Had a career break for health reasons
- I ran a small YouTube channel and gained some skills in Audio and Video editing with Adobe Premiere and Audition.
- I also kept my skills in use by freelancing some website and video work.

2007 – 2008   Inphinet   Developer
- Developed websites in HTML, CSS and ASP using Access or SQL Server Databases. Including a DDA Level 2 website and content management system for National Coal Mining Museum.

2005 – 2007   NAK Corporate World   Developer
- Developed websites, weekly database updates from an electronics manufacturer, meaning data cleaning, import and extending any T-SQL stored procedures based upon the data.
- Developing a PDF/XML Application system for Ocean Finance which created and archived PDF's in response to the client completing a finance application.
- Implementing a Google Search Server for a leading semiconductor firm's website.

2002 – 2005   IDIGICON Limited   Developer
- Developing websites in HTML, CSS, PHP or ASP using MySQL, Access or SQL Server Databases.
- Produced an award-winning extranet solution giving access to software box art, videos and screenshots.
- Developed Flash CD applications / national magazine cover discs / DVD presentations both for clients and internally.
- Supervised the running of the department when the I.T. Manager was on holiday.

2000 – 2001   The Pixel Multimedia   Developer
- Developing websites in HTML, CSS, ASP using SQL Server Databases.

1999 – 2000   WesternConnect   Developer
- Developing websites in HTML, CSS, ASP using SQL Server Databases.

Interests

I am a keen gym-goer and find this gives me a great deal of energy and focus in other parts of my life. I am an avid gamer and, when time permits, I love to unwind with friends and play something fun. I love to cook and occasionally bake. I have recently got into Arduino projects and am finding exploring that world interesting and have several little projects in the pipeline. I also enjoy watching tutorials on YouTube to give me an overview of the various languages out there which helps me to explore new ways of approaching projects.

References Available on Demand