

# Andrew G D Regan, MSc

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## Employment History

June 2009 – date	<b><u>Publish.org</u></b> Founder and developer
Sep 2008 – June 2009	<b><u>NetDev Limited, Brighton</u></b> Senior Java Developer
Mar 2007 – Sep 2008	<b><u>Thomson Reuters, London</u></b> Software Developer
May 2003 – Mar 2007	<b><u>ePulse Limited, London</u></b> Software Developer
Apr 2002 - Jan 2003	<b><u>BioMates</u></b> Technical Director, Webmaster, and Customer Support
Jan 1999 - Apr 2002	<b><u>Whitespace Software Limited, London</u></b> Senior Software Developer

## Roles & Responsibilities

### **Publish.org**

- Publish is a non-partisan service that aggregates and links political blogs, wikis, and debate maps, to create a searchable, real-time political knowledge base – to inform crowdsourced policy exercises, and policymaking in general.
- Publish provides political intelligence, as the biggest cross-party aggregator in the UK by far, and the only one to integrate semantic analysis for all articles.
- The application offers feed aggregation, full indexing of all articles for fast searches, sentiment analysis, RESTful and Feed-based APIs, and the website uses AJAX throughout for flexibility and performance. A matching iPhone application is in development.

### **NetDev Limited: Senior Java Developer (Telecoms)**

- Maintained and developed a telephone call-plan provisioning GUI (JBoss 4, Seam 2, JSF, RichFaces 3, Hibernate 3), and was instrumental in improving its performance.
- Maintained and developed 'real-time' call-routing application, backed by Hibernate/TimesTen.
- I worked on a code- and database- re-architecture of this system, using: interface-oriented development, separation of concerns, and with greater RESTful use.
- Established ground rules and best practice for company-wide peer code reviews.

### **Thomson Reuters: Software Developer**

- Worked in Trade & Risk Management, developing a comprehensive Java EE-based cross-asset risk application, and gaining financial experience.
- Integrated live market-data feeds via RMDS, and was in charge of future development.
- I developed a static-analysis tool to find potential bugs, dependencies, and provide metrics.

### **ePulse: Software Developer**

- Gained an understanding of the financial markets and the market data sector.

- Resident **Java** expert; pioneered use of secure messaging (JMS) to integrate components of the Instant Messaging Audit system used by traders.
- Core developer of an **XML**-based network-monitoring tool, using C++ and Java on Windows NT, Solaris, and Linux: included creating JSPs, writing Servlets, configuring Tomcat 4-5.
- Developed a J2EE application that monitored traders' IPC dealerboards system via SNMP.
- Experience with client/server data streaming (server-push and AJAX).

### **BioMates (Full-time: 2002-2003, Part-time: 2000-2002)**

- I wrote the site's web application - a complex J2EE application that served localised and internationalised pages and emails. A priority was to explore new, open-source technology: to increase our functionality and support future needs.
- I worked with translators, graphic designers, Technical Support at numerous companies, installed server software, managed Customer Service, and wrote Press Releases.

### **Whitespace: Senior Software Developer**

#### **Lloyds C/C++ Development and Support**

- Development and support of their suite of Lloyds database applications is the core of the company's business and employs a minimum of 10 people full-time. Written in C and C++, and supported on both Windows and Unix.
- I was involved daily with coding and maintenance throughout my time at the company, and rose to become lead developer during the critical 2001/2 Lloyds Names Capacity planning. The role also involved liaising with Members Agents, working with front-line support, and connecting to their database servers to fix data and software problems.

#### **J2EE Development – Watson Wyatt benefits-tracking system**

- From late 2001, I worked directly with project managers to make the company's first full-scale **Java/J2EE** development a resounding success. I planned, wrote, and documented code for the client, and ran project review sessions.

#### **Technical investigations & other responsibilities**

- I convened fortnightly programming seminars to encourage greater and more advanced use of Java and XML, in a company with very little previous experience.
- I was also involved in both short-listing and interviewing developers, selecting real-world code samples to assess candidates' skills and resourcefulness.

## **Other Experience**

### **Bloggers4Labour.org, 2005-2009**

I developed the UK's first (and biggest) political content aggregator, with over 550 member 'blogs' and 20,000 page views/month. Was featured by the BBC, *The Economist*, and other mainstream media.

### **EustonManifesto.org, 2006-2007**

I helped develop the online manifesto of the Euston Manifesto Group. Tasks involved data validation, database monitoring, forum setup, and XML news aggregation. Traffic was 1- 3,000 page views per day, putting the site as high as #5 on Technorati's worldwide search chart.

### **Languages - Japanese**

I have been learning Japanese since 2007, and hope to take the JLPT-4 proficiency test this year.

I also attend Jill Edwards' (the UK's leading comedy coach) Advanced Stand-Up Workshop.

## Skills Summary

### Personal

I'm confident and enthusiastic. I have excellent technical skills and experience, and though I consider myself "an ideas man", with a track record of interesting companies in new ideas, I'm always keen to learn more. I have good communication skills, am sociable enough to work well with colleagues at all levels, and enjoying helping and mentoring others.

### Technical

- **Java.** Very strong. 10 years commercial experience. I specialise in the areas of Java EE, JMS messaging, Java 5 generics, bytecode and static analysis, profiling and performance monitoring, internationalisation, XML, XML messaging, plus open-source technologies.
- **C and C++.** I have 11 and 9 years experience, respectively (7 years commercially), and have taught both to colleagues. Experienced with debugging, memory management, and coding standards.
- **Objective C & iPhone:** I launched the "B4L" political blog application in January 2010.
- **Design:** Committed to good coding practice, including the use of patterns where necessary. Some UML experience.
- **Testing:** Selenium; unit-tests.
- **Application/Web Servers:** JBoss 5.1, Tomcat 4-6, WebLogic 8, Glassfish, plus Apache 2 and IIS – installation, configuration, and maintenance.
- **Databases.** I have 10 years commercial experience with database design, with SQL and JDBC, using Oracle 9i, MySQL 5 and TimesTen 7.0.x (using Hibernate 3), Sybase 12 & 15, and Microsoft SQLServer.
- **Web frameworks:** 9 months developing and debugging Seam 2.1.1, with JSF, RichFaces and JQuery.
- **Web:** Extensive experience with JavaScript (Prototype and script.aculo.us), AJAX (JSON), and XML/HTML/CSS; RESTful architecture; online marketing experience with Google AdWords/AdSense; PHP, including Facebook applications and WordPress plugins.
- **Source Control:** SVN; Rational ClearCase; CVS; Microsoft VSS.
- **Financial and Market Data:** Nearly 2 years with Moneyline/Telerate and Telekurs APIs, and the MTRS platform; one year with the Reuters RMDS platform.
- **News/Data Feeds:** Experience with RSS and other XML feed formats, and with multithreaded news aggregation.

## Education and Qualifications

**1997 - 1998: University of Kent at Canterbury**  
MSc Computer Science (Conversion)

**1994 - 1997: University of Warwick**  
BA Hons: Economics and Politics (2-1)

**1992 - 1994: Fareham College, Fareham, Hampshire**  
A-Levels: Maths (A), History (A), Economics (A)

**1987 - 1992: King Edward VI, Southampton, Hampshire**  
GCSEs: Maths, Chemistry, Physics, Biology, History, French, English Lang. (all A)