

## Contact

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## Summary

- **Fifteen years** experience of developing **web applications** in a variety of languages (**Java, Perl, PHP, Ruby, Objective-C**).
- Senior developer and **team lead** for several high-profile web projects.
- Strong **web service** experience (**REST, SOAP, XML**, etc.).
- Extensive **SQL database** experience with MySQL and Oracle.

## Work Experience

### **Self-Employed (2007-)**

*Juggled selling own application with freelance work for new media agencies.*

#### **Independent Software Vendor**

- Independent founder, developer (PHP5) and marketer of Datafeed Studio application (<http://datafeedstudio.com>) - a self-hosted PHP application that allows customers to create online stores from product feeds supplied by retailers (or embed price comparison widgets on existing sites via an API or Wordpress plugin).
- Created supporting Ruby on Rails web application, <http://voucherdatabase.com>, to feed store offers and vouchers to Datafeed Studio (and other 3rd party clients via XML/JSON using a REST API).
- Developed popular iOS price comparison app, Prices UK (<http://itunes.apple.com/gb/app/prices-uk/id468158401?mt=8>)

#### **Freelance Developer, multiple clients**

- Developed PHP5 web applications (with CodeIgniter MVC framework) for Gabbitas.co.uk (on behalf of Rokk Media Ltd.), including a front-end (<http://independentschoolsguide.com/>) and administrative back-end for managing several thousand private schools.
- Built a bespoke LAMP CMS and private products sales site for LearningPartners.co.uk (on behalf of It Becomes Fluid Ltd.) including integration with the RESTful Google Checkout XML API.

### **CHIPS Project, Companies House, Cardiff (2005-2007)**

The CHIPS project was a £40m investment to replace a COBOL based mainframe system with a modern J2EE solution involving over 100 people and 300,000 lines of Java code.

## **Senior Java Developer / Team Lead (Contract)**

*I was responsible for managing a team of ten developers (at peak) on the Compliance subsystem of this project coupled with hands-on development.*

- Converted legacy mainframe application / manual processes into modern browser based system based on Java, WebLogic, Spring, Hibernate and JSF.
- Turned high-level requirements into UML use cases and diagrams.
- Developed a JMS system that controlled delivery of up to 40,000 physical letters per night, including integration with the Staffware workflow engine.
- Completed system handover to permanent support team, including documentation and operating processes.

## **Sequence Collective Ltd, Cardiff (2004-2005)**

Sequence are a leading Welsh digital media agency who have been delivering web solutions since 1995. They were looking for someone to implement a contract they had won to build a CMS in Java for Cardiff University.

### **Java Developer (Contract)**

*Lead Java developer on fixed-deadline project.*

- Designed and developed a large-scale Content Management System (CMS) to power Cardiff University's public website (<http://cardiff.ac.uk>) using Oracle 9i, J2EE, JSP, XHTML and Struts in a clustered Apache Tomcat / Red Hat Linux environment.
- Delivered project on time for the academic new year, including integration of full WYSIWYG JavaScript editor and spellchecking features, bilingual support and version control of content within a complex moderation workflow.
- Implemented additional "CourseFinder" J2EE web application for Cardiff University, allowing LDAP authorised staff to administer the University's courses, subjects, schools, etc. together with a public front-end interface for prospective students to locate appropriate courses.

## **Orchid Telematics, EBR department (2001-2004)**

In 2001 I won the large EBR (<http://ebr.org>) system contract for Orchid with a complete functional and technical specification that replaced a legacy ASN.1/X400 based system with modern Java, XML and Web Service technology.

### **Senior Software Engineer / Project Lead**

- Headed an independent team of developers in new premises funded by EBR contract win.
- Became central contact point for reporting / decisions in liaisons between Orchid and the project benefactors.
- Established a reputation for reliability by always hitting milestones on time.
- Taught and mentored junior developers.

- Organised and hosted several international meetings and developer workshops.
- Created a service-oriented architecture based on XML schemas to allow the exchange of company information within the European union.
- Developed multilingual, fully internationalised Java web-application to access European business information based on the MVC methodology, using a custom Struts-based architecture with XSLT templates for the View component.

### ***Orchid Telematics, Companies House department (1997-2001)***

Orchid were responsible for providing the online services for Companies House before being absorbed into the main Companies House IT team in 2004.

#### **Application Developer**

- Introduced Perl based architecture to Companies House public facing web sites greatly improving system performance to meet SLA that response times should be less than one second.
- Lead developer of “WebCheck” (<http://companieshouse.gov.uk/info>), a public sector website developed in Perl offering immediate access to company information on over 2 million companies.
- Senior member of team that implemented the Companies House Direct subscription based website (<http://direct.companies-house.gov.uk>), winner of the Computer Weekly Award for Excellence in the year 2000 (E-Government category).
- Implemented online-viewing of TIFF images on Solaris OS for award-winning Companies House Direct web application, including a high-performance server written in C++ for image processing.
- Developed C++ middleware in an n-tier environment that acted as a bridge between front-end web systems and the existing Companies House mainframe systems using BEA Tuxedo technology.

## **Education**

### **Training Courses :**

PL/SQL programming, 1998, five-day training course/lab from Oracle.

### **Certifications :**

1994-1997 – B. Sc. (Hons.) Computer Science from Cardiff University.

1992-1994 – BTEC National Diploma in Computer Studies (with Distinction) from Carmarthenshire College of Technology and Art, Llanelli.

## **Buzzwords (not required reading)**

PHP

five years solid PHP experience with vanilla PHP framework and using CodeIgniter

PHPTAL template language

libcurl, mysqli, SimpleXML, SimpleTest

object-oriented PHP5

Wordpress plugin development

BuddyZone social network script enhancements

CSV/XML file parsing

Java

six years core Java experience

Apache Velocity, JSP, JSF, XSLT view components

Hibernate persistence framework, JDBC

jUnit, EasyMock testing frameworks

JMS, java.io\*, Struts, Servlets, ServerSockets, networking, threads, ant, etc.

Weblogic, Apache Tomcat

Ruby

part-time/side-projects since 2006

Rails, JSON, Twitter4R, has\_many\_polymorphs, modrails/Passenger

### **Current fluent languages**

Java

PHP (LAMP)

Ruby

SQL

(X)HTML and CSS

XML (XSLT, SOAP, REST, Web Services)

Objective-C (iOS, iPhone/mobile)

Perl (HTML::Template, CGI.pm, mod\_perl, Apache::Session, DB, Image::Magick, GD,

XML::Simple)

### **Current languages I'm not expert in but can get things working in**

JavaScript (jQuery, AJAX)

### **Languages I have used in the past**

These are languages I've worked heavily in, but not in the past five years.

Motorola 680x0 assembly language, C/C++, Pascal, Eiffel, UNIX Shell Scripting (csh, ksh, bash)

### **Operating systems & software**

Linux (Debian, Red Hat, Ubuntu, Slackware)

UNIX (Solaris, Mac OS X)

TOAD, phpMyAdmin

Apache

Subversion, RCS, CVS, Git

MySQL, Oracle 9i

Bugzilla