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Professional Objective

To contribute to the success of a forward looking high-tech organisation; advancing its goals using my understanding of software systems design, implementation and management.

Project Management

General Experience: Requirments capture, Systems analysis, Estimating, Budget running, Team formation and lead., I have designed, implemented, used and maintained three project management systems.

Consultancy: Open Source Software, Agile Development, Continuous Integration, Code review, Standards compliance, Keeping current.

Public speaking: Presentations, Training, Running meetings.

Project frameworks: Googlecode, Sourceforge, Scrum.

Development

Java: Servlets (expert), J2EE, Spring.

Frameworks: Struts, Melati (committer).

View tier: GWT, JSP, ASPX, Velocity, Webmacro (committer), XPath, XSLT, Pentaho.

Web: HTML, JavaScript (expert), CSS (expert).

SQL: MySQL, SQLServer, HSQLDB (expert), Postgresql (expert), Oracle.

Persistence and ORM: Hibernate, Hyperjaxb, JAXB, XML, SGML, BerkeleyDB, POEM.

Testing: JUnit, DBUnit, JWebUnit, XMLUnit, HtmlUnit, HttpUnit.

Configuration Management: Maven (expert), Ant, git, CVS (expert), Subversion, VSS.

Continuous Integration and Build: Jenkins (contributor), Maven, Ant.

Systems Administration: Linux (expert), Perl (expert), Mail - postfix, qmail, Tomcat, Jetty (expert), IIS, AWS, Apache (expert).

Parsers and Compilers: JavaCC (committer), Lex, Yacc.

Tools: Emacs, Eclipse, Idea.

.Net: ASP Classic, ASP.Net, C Sharp, VBScript.

Semantic Web: RDF, RDFa, Jena, NG4J (committer).

Employment History

Senior Web Database Developer

Oxford University, Centre for Genomics and Global Health
November 2009–

Membership of an agile team of software developers using the GWT/XML/Apache/Linux stack to develop web applications.

Projects:

- Chassis: A framework for global data-sharing between clinical research groups. Initially used for the sharing of data within the Malaria research community. Particularly focussed upon requirements capture and implementation from the Study Scientific Coordinators.

Project Officer

Oxford University Computing Services
April 2009–October 2009

Development of an RDF backed location query engine to deliver location based services to mobile devices.

Projects:

- Gaboto: Take on of the Gaboto Open Source RDF store by the introduction of tests and Continuous Integration.
- Android Applications: Applications for the Google G1.
- Gaboto Update: RDF store update interface.
- Maven Project Control: All projects controlled using Hudson and Maven.

Systems Consultant

Champion Recruitment

October 2005–December 2008

Responsible for configuring and bespoke work on the Bond International Adapt system and web interface to it.

Projects:

- Onsite: Testing and configuring turned into rewriting and restructuring a large ASP based web site. I used ASP to generate Java JWebUnit tests to gain control of this sprawling script based site.
- Adapt Configuration: Two residential courses enabled me to configure the arcane internals of the Adapt system.
- CLIPS Parser: The Adapt System has its own command language, I wrote a parser using JavaCC which identified a thirty percent error rate in delivered code.
- Data Definition Parser: The Adapt System does not publish its code, so the db structure had to be inferred by parsing database structure reports, these were used to build a model of the db in java.
- Maven Project Control: The project is controlled using Maven and CVS.
- .NET website: Review and rewrite of .net website and data access layer.

Senior Java Developer

INSL Limited

May 2005–August 2005

Lead java developer for the Spheriq email cleansing service. As lead developer I had overall ownership of the codebase and a mentoring role to the other three members of the team.

Projects:

- Audit Trail: Adding an audit log to all configuration change events.
- Continuous Integration configuration: Retrofitting Maven and Cruise Control to the existing project.

Product Specialist

CSW Group Limited

June 2004–May 2005

Support of the Case Notes product. Project lead for large scale data migration. As Project Lead I managed a team including a contractor, systems analyst and a developer. I designed the database, chose the ORM tool and the system development tools.

Projects:

- Child Health Data Migration: The conversion of 2 million children's health records from CSV to Oracle and then to XML using Java. I was initially the sole developer and defined and implemented the majority of the solution. Project setup within Maven under CVS.
- NASP support: The Case Notes product is a Java Struts based web enabled front end to an XML document repository housed on Oracle. The Second Line support role involved writing JUnit tests for reported bugs and implementing a fix within time scales agreed in a Service Level Agreement.

Proprietor

Context Computing

January 1994–June 2004

Between my MSc and 2004 (11 years) I was a Sole Trader. My coding and other output is archived at <http://www.paneris.net>. All projects were setup or retrofitted with Maven under CVS.

Projects:

- Rimauresq Wines: Using the Melati Content Management System implemented a bi-lingual sales site.
- Wemyss Vintage Malts: Using the Melati Content Management System implemented a sales site.
- Begbroke Science Park: I designed and implemented a custom Content Management System in Java using Melati, under Maven and CVS.
- FleetNet: A vehicle monitoring and tracking website using GPS and email over GSM, written in Java on top of Melati.
- PFE: Web based Order and Shipment tracking system, written in Java using a home grown servlet framework JAL on top of JDBC, with WebMacro for the view layer.
- Click World Wide: A holiday letting website, similarly written in Java using JAL.
- DBA: A directory publishing system, using perl.

- Financial Training Company: A database backed website for ordering courses and student and staff messageboards written in Java using the Melati framework.
- Evidence Based Mental Health: Creation of the web version of the publication, using java, perl, sgmls and webmacro.
- GTL Upload: A secure file upload facility using java and Melati.
- APW Upload: A secure file upload facility, a copy of the above.
- Pianos Online: A piano portal, using Melati.

Achievements:

- Recruited a distributed team of freelancers from Russia, Ukraine, Czech Republic and UK.
- Designed and implemented a project management and implementation portal.
- Part of the team that developed the Melati middleware layer.

Chief Technical Officer

Bibliomania.com

August 2000–

Supervision of the completion, rollout and continued development of a literature website, where the data was stored as HTML fragments and processed using Java, WebMacro and Melati.

Bibliomania has folded as a company but I still maintain the website, which generates a small income from Google adverts.

Publishing Consultant

Thompson Tax

May 1996–February 1997

Working with Perl and SGML I wrote validation and auto-correction scripts for a large Tax Reference work. The data conformed to a very complex SGML DTD which enabled a custom application to give the tax law at any specified time (time travel). Programmed used Omnimark and perl running under NT.

Senior Technical Analyst

Catalyst Electronic Publishing

September 1994–May 1997

Recruited by the Technical Director I had responsibility for all project conversions. I also assisted in sales and defined the overall approach to most projects. The majority of projects were completed in perl.

Projects:

- Solomon: Conversion of the laws of the Solomon Islands.
- New Scientist: A conversion of 5 years of back numbers.
- DXpress: A Quark Xpress converter.
- Topley: Conversion of a Commercial Law publication to Folio Views format.
- Petroleum Argus: Creation of a Folio Views version of the magazine.
- SGML Systems Engineering: Sub-contracted to SGML Systems Engineering to write a document parser using Lex and YACC in C. This involved encoding the whole grammar of Quark Xpress and writing wrapper code to parse and transform to SGML.

Project Manager

Vosper Thornycroft Support Projects Division

May 1982–June 1992

In charge of a five million pound budget for programming labour and equipment. This post involved system design, hardware specification, negotiation with the lead contractor (British Aerospace, Warton), the MoD (Navy) and the end customer (Royal Saudi Arabian Navy) and its representatives (ex US Navy personnel). The system design, implementation and installation was managed and overseen by myself, both in the UK and the Kingdom of Saudi Arabia.

Memberships

ACCU

An organisation dedicated to professionalism in programming, with an active Oxford branch.

Oxford Linux Users Group

This talented group is a source of help and direction.

Henley Management College: Future Work Forum

I have spoken twice at this prestigious forum presenting on distance working and the virtual corporation.

Education

Course in Functional Programming, October 2011
Oxford University

Course in Mandarin, September 2011
Oxford University

Course in Statistics, 2010-present
Oxford University

Course in Essentials of Project Management, June 2010
Oxford University

MSc in Artificial Intelligence, October 1993
University of Edinburgh

Subjects: Prolog, Knowledge Representation, Natural Language.

BSc in Neurobiology, July 1982
Sussex University

Subjects: Computers in Education (First), Poplog, Artificial Intelligence, Mathematics, Statistics.

Publications

- Tim Pizey. " Repair Strategies in English ". *MSc Thesis* . Dept. of AI, University of Edinburgh. October 1993.

Interests

- Family. My wife and I have two daughters, aged nine and seven.
- Gardening. Growing expertise in fruit and vegetable gardening in addition to my collection of bonsai trees, some of which I have had for more than 30 years.
- Online life. I am the maintainer of the Open Source middleware layer <http://melati.org/>. — I am a committer on a number of projects including WebMacro, NG4J, JavaCC and xmlresume (which this CV was created with).
- Woodcraft Folk. I have recently become the Secretary and Treasurer of the Iffley Fields Elphins group of the Woodcraft Folk, which I lead on Monday nights.

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