

CURRICULUM VITAE

PHILIP WILKINS

PERSONAL:

Present Address:

Hampshire

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Date Of Birth:

10th September 1970

Nationality:

British

TECHNICAL SKILLS:

Languages :

- Java both SE & EE (including EJB, JDBC, JNDI, JNI, RMI, JMS, SMTP, Swing, JavaCC etc)
- XML (DTDs, Schemas, XSL, XSLT etc) with knowledge of Web Service technologies such as WSDL; UDDI; SOAP (some use with Apache AXIS etc).
- SQL (with MySQL, Oracle and MS SQL Server).
- C/C++ (majority of which has been pure C++ with Standard Template Library).
- PHP, Javascript, CSS and HTML for web development along with CMS solutions like Joomla & Mambo.
- Other languages include Ada, Pascal and Modula2.

Management:

- Development Manager and Architect for SeeWhy Software.
- Software Architect for the a multi million pound software projects involving a development teams of up to 15 people & technical lead a division of Hi-Q Systems.
- Project manager and consultant for both research & application development programmes including client management aspects.
- Rational Unified Process (RUP) and Agile based methodologies..
- Staff recruitment & management.

Analysis & Design Techniques :

- Unified Modelling Language (UML). Design Patterns (Gemma et al).
- Real Time Systems Analysis & System Design (RTSASD) & Yourdon.

Tools :

- JBoss v3 & 4 including single and clustered operation. Appreciation of other application servers such as WebLogic and WebSphere.
- Databases including MySQL, Oracle, SQL Server.
- Middleware technologies including IBM WebSphere/MQ & CORBA
- Ant, Maven, CruiseControl and JUnit for automated build and continuous testing.
- Eclipse and previously Forte CE (Net Beans) IDEs.
- Configuration control, tools include MS Visual SourceSafe & CVS.
- Design tools including Rational Rose and Sparkx Enterprise Architect.
- Insure++, Purify & Pure Coverage - (memory leakage, and test coverage tools).
- OSF X & Motif (direct API and via GUI tools).
- Various project management tools including MS Project, Eventum and in-house project tools.
- Mambo & Joomla CMS solutions for websites.
- JBoss jBPM.

Others:

- Issues relating to the use of EAI (data issues such as aggregation & disaggregation; data cleansing; architectures). Enterprise solutions – portals, BPM etc.
- Examination of a broad range of middleware technologies from BizTalk to Cisco AON.
- Event driven architectures – Complex Event Processing (CEP).
- Appreciation of SOA concepts.
- Some education on the area of Human Computer Interaction, and continuing to develop this.
- Platforms range from MS Windows (95–2003) to Unix Workstations (Solaris, AIX, Linux).

EMPLOYMENT RECORD:

SeeWhy Software (09/2003 to present)

www.seewhy.com

SeeWhy Software was founded in November 2002 as an ISV developing an innovative event driven (real-time) Business Intelligence product set. I was the second recruitment by the CTO and as a result seen my activities within the company have been very broad. My role now has returned to Development Project Manager along with software architect for parts of the product including integration and notification aspects of the product. As Development Manager I oversee the development team and development process from planning to release of each version of the product set. To achieve this I have developed the development and QA processes (such as continuous automated build and test, change control etc). The goals and requirements for each release are negotiated with the CTO (driven by primary product goals against resourcing and time scale desires). In addition to the product development I also have to provide additional technical expertise to support other IT activities such as the company website, resources for support, sales & marketing activities as well as co-ordinating with the CEO and sales team the product progress.

My secondary role is as the Architect responsible for the integration and event capture elements of the product (including specialised connectors for IBM MQ and JBoss jBPM) along with the notification suite. This means that I also perform client consultative activities to support the integration of SeeWhy with other products.

The SeeWhy is built using J2EE technologies (initially JBoss, but SeeWhy is developed to standards to allow application server porting). The solution makes use of JMS to provide a means to communicate with data feeds and internally to facilitate scaling and parallelism within the J2EE environment. XML is used extensively for configuration and meta data. The user interfaces provided via thick clients and an applets (which can be integrated into a JSR168 compliant portal).

The development approach has been a combination of RUP (e.g. high level design, review and develop iteratively) and agile development philosophies (e.g. continuous test, pair programming). CVS, Ant, Cruise Control and Maven to manage the build and test environments. Design patterns and refactoring (using tools like Eclipse) have been combined to keep code efficient and maintainable.

Hi-Q Systems Ltd (/Work Group) (03/2000 to 09/2003)

www.hi-q.co.uk

I joined Hi-Q during the initial prototyping phase of an Enterprise Application Integration (EAI) product called AIM for Army Data Services (ADS). AIM provides a subset of the features needed in a commercial EAI with the addition of a specialist gateway to an ADS developed corporate object data repository.

I was the Software Architect for the full AIM contract which was worth several millions of pounds over a year from contract placement to acceptance; and the full team exceeded 15 people at its peak. The project was delivered on time, in budget and with a very satisfied customer.

As the AIM Software Architect my role involved providing the technical management of the project covering requirement definition (in the bid phase), costing, design (from a conceptual level down to overseeing it at the detailed level), to looking at acceptance tests plans developed by our partner company (Logica). I was involved with the recruitment and management of the development teams (including leading the server team). AIM's core technologies were Java, XML, CORBA, JDBC (working with several different versions of Oracle and MS SQLServer on multiple platforms). I had a lot of interaction with our partner and customer, including technical briefings, presentations and end user training. AIM used UML as the principle design notation and made heavy use of Design Patterns. The project's management process was based upon RUP. After the initial AIM contract several

enhancement programmes where funded and Hi-Q further developed the product to provide web service and J2EE integration.

AIM and other related smaller projects resulted in the formation of the iWork group. My responsibilities to the group were the provision of technical leadership and consultant capabilities relating to middleware & EAI technologies (Web Services, J2EE, .Net etc) as well as day to day running of projects.

In addition to this I had the responsibility of maintaining and improving the Software Delivery Process for Hi-Q, as an aspect of retaining ISO9001. My staff management activities covered interviewing, project assignment and appraisals.

EDS (03/1995 to 03/2000)

www.eds.co.uk

Whilst at EDS I worked on several major projects. Initially for 18 months on Iris - a military X400 based communications system. Responsible for developing the core of the MMI using Ada & Teleuse for a Motif interface. From Iris I moved on to JOP and Oceanics.

HLWF Joint Operational Picture (JOP)

Eighteen months with the HLWF team on a client site, to lead a 5/6 man team developing a JOP which provided an advanced multi-user display solution with novel display techniques. JOP was developed using C/C++ & X/Motif. As team lead I had to ensure the meeting of very tight time scales, work closely with the customer to identify requirements, and provide presentations to the client's various customers. JOP has been successfully used in the UK's first and subsequent military high level computer aided exercises.

Oceanics Transatlantic Air Traffic Control

Team Leader and Assistant QA roles starting with preliminary design progressing through detailed design and implementation phases for the user interface and later internal comms components. The development was done with C++ using pure OO with STL and Motif.

GEC Marconi Radar Systems Ltd & Easams (09/1989 to 02/1995)

I started with Marconi on a 3 year Software Engineering Apprenticeship, with 1 year of broad engineering training and 2 years working on live projects as a developer. Parallel to this Marconi sponsored day release study for HNC and HND in Computer Studies.

On completion of my training I joined the S743D team permanently having already been with the team for 9 months. I took several major subsystems through a full development cycle using CASE tools for Ada development including the lead role for the completion and delivery of the control & display MMI.

I then joined Easams to work at DERA Fort Halstead to develop a large battle simulation. My contribution was on the data input system using X/Motif & Ada.

PASTIMES:

My principal hobbies are music and photography. In terms of music I have an ever growing eclectic personal collection of vinyl, CDs and DVDs, and regularly attend concerts. The photography I have pursued when opportunities present themselves both for taking pictures and seeing exhibitions by great photographers.

I apply my technology skills to support a local Dance Company (Basingstoke Tappers with whom my wife dances), this mainly through the development and maintenance of their website, produced using Mambo CMS and PHP and using Gradwell's hosting services. This has included development of bespoke functionality as well as developing the 'web presence' such as working on Google ranking.

As a software architect I feel that it is important to try and keep abreast of technologies and methodologies (as well as aspects of management) so I give time over to reading books (by authors like Gamma et al, Norman, O'Connell & Weinberg), papers, podcasts and articles such as those published the BI Journal (now called Align), The Server Side etc.

I have a interest in Psychology and Human Factors in the way it applied user interface design. I have previously discussed with De Montfort University the possibility of undertaking a distance learning based Masters degree in Human Computer Interaction. However, work commitments have prevented me from pursuing this.

EDUCATION:

1995 – 1996	Basingstoke College of Technology	A-Level Psychology – Grade B Studied at evening classes
1989 - 1992	Anglia Polytechnic Chelmsford	HND Computer Studies Day release study from GEC Marconi Radar
1987 –1989	Chelmsford College of Further Education Chelmsford	A level Computer Science (Grade C) A level Geography (Grade C) GCSE English (Grade C) GCSE's include Mathematics (C), Computer Studies (A) , Geography (C) and History (C)

MISCELLANEOUS:

Valid - full clean driving licence held since June 1989.

Member of the Institute of Engineering and Technology.

1 Months notice to terminate employment with current employer.