

Resume

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EDUCATION

April 06 – July 10 **MSc Software Engineering**, University of Oxford
Pass with Distinction.
This degree includes topics such as Software Engineering Mathematics, Specification and Design, Concurrency and Distributed Systems, Functional Programming and Performance Modeling.
This degree was undertaken part time.

Oct 98 – June 01 **BA Economics with Econometrics**, University of Kent
First class.

EXPERIENCE

September 09 – present **Partner, OSVW Consulting**
OSVW Consulting provides OpenSimulator and open-source virtual environment consulting services in many areas, ranging from deployment through to custom OpenSimulator development, application integration and strategic advice. Currently working with Intel to create a water management simulation using the OpenSimulator platform¹.

August 08 – July 09 **Development Lead, Black Dress Technology**
Responsible for the design and development of a fashion and design application using the OpenSimulator platform. Also acted as a representative and contributor for Black Dress Technology to the OpenSimulator project. In addition, I maintained and deployed OpenSimulator installations for the company.
Development of the fashion and design application involved integration of external systems with the in-world virtual environment. It also required continued liaison with a team of developers from IBM.

¹ <http://software.intel.com/en-us/articles/sciencesim-a-virtual-environment-for-collaborative-visualization-and-experimentation/>

My OpenSimulator role was very broad, involving community liaison, stabilization of the platform for Black Dress Technology and the development of content transfer mechanisms.

- December 07 – present **Core committer, OpenSimulator¹**
High level contributor by commit count²
OpenSimulator is an open-source project to produce a generic virtual worlds platform. It is currently best known for providing a Second Life compatible environment. I have worked in many areas in the project including assets, inventory, data archiving, object linking/delinking, grid servers, performance and reliability. I am an active participant in the OpenSimulator community engaged in ongoing interaction and blogging³.
- October 04 – August 08 **Software Engineer, Information Management, IBM UK**
Part of the team responsible for the development of the IBM InfoSphere Master Data Management Server 8.0⁴ and WebSphere Product Center 5.3⁵.
I took on many roles during my time in IBM's Information Management division. The included leading the design and development of a Java API for WebSphere Product Center (which required visits to the development lab in Burlingame, California), working in Eclipse user interface design, metadata management design and product information management design. I also made customer site visits to troubleshoot issues in the field that could not be handled by the normal support engineering channels.
- July 03 – October 04 **Software Engineer, WebSphere Messaging, IBM UK**
Part of the team responsible for the development of a new Enterprise Service Bus component for WebSphere Application Server 6.0⁶.
Specific areas of responsibility included the design of message expiry in Websphere and statistics gathering and provision in the messaging component. I also undertook other general development work.
- July 01 – July 03 **Build Engineer, WebSphere Messaging, IBM UK**

1 <http://opensimulator.org>

2 <http://www.ohloh.net/projects/4753/contributors>

3 <http://justincc.org>

4 http://www-306.ibm.com/software/data/infosphere/mdm_server/

5 <http://www-306.ibm.com/software/data/masterdata/product-info/>

6 <http://www-306.ibm.com/software/webservers/appserv/was/>

Part of the team responsible for the production of daily, fix pack and emergency fix builds for Websphere Messaging products.

My initial area of responsibility was fix pack and emergency fix builds. Over time I progressed to responsibility for strategic enhancements to the build infrastructure and internal website.

OTHER EXPERIENCE

In addition to the job experience outlined above, I have taken part in many ad hoc projects during my time at IBM. One was leading a volunteer team of programmers to produce a project known as Attention Grabber – an online mashup application that aimed to assess how much attention a company's product was attracting by analyzing the data made available by online services such as Google, eBay and Technorati. This project integrated WebSphere Product Center and IBM DB2 using PHP. Another was the organization and presentation of sessions within my local IBM site on innovation techniques, and within my team on the classic Gang of Four design patterns.

SKILLS

- I have worked both autonomously, as a small team leader and as part of larger teams.
- Various of my roles have involved liaison with clients and customers and negotiation of contracts.
- I am competent in the following programming and markup languages, among others: C#, Java, PHP, Perl, Python, Ruby, Haskell, SQL, C, C++, Javascript, Pascal, Bash, Kornshell, XML, XSL, XML Schema, DTD, HTML, CSS, JSP, SQL, LSL (Linden Scripting Language). I also have some familiarity with Visual Basic.
- I have good experience with the following software packages, frameworks and components, among others: MySQL, Apache, IBM DB2, IBM WebSphere Application Server, Eclipse, IBM WebSphere MQ, Java Messaging Service and CORBA.
- I have a very good knowledge of Linux and a good knowledge of Windows.
- I am also familiar with diagramming techniques such as UML, programming methodologies such as agile development and test driven development and formal modeling techniques such as Z notation and Communicating Sequential Processes (CSP).