David Simons

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Employment

2014-Current **Technical Lead, Softwire**

January 2015 - Current: Graduate Developer Trainer
Training a team of six graduate software developers. Initially designing and delivering a two week intensive training course on modern software development, focusing on Java web applications. Providing further mentoring whilst overseeing their delivery of an internal BBC usage reporting tool.

September - December 2014: Management Consultancy Development Team
Leading a team of internal developers to create and extend a wide range of prototypes. Mentoring the team in any relevant technologies to ensure high-quality architectures and code. Guaranteeing happy customers by working with multiple client stakeholders and helping to implement a range of agile techniques.

2012-2014 **Software Consultant, Softwire**

October 2013 - August 2014: Reusable Retail Tool Suite
Selected technologies: Javascript, Jasmine, MSSQL, C#, ASP.NET MVC, Selenium
Producing a single-page web application to implement our clients' business formulae, prioritising robustness and testability to enable bespoke deployments to large, multinational retailers.

November 2012 - September 2013: Fashion Trends CMS
Selected technologies: Groovy, Apache, Adobe CQ, Autonomy Search, MongoDB
Part of a rotating team structure supporting and adding to a modified CMS. Sample roles include studying the feasibility of data migration tasks; providing second-line support to users and adding a social media module to the website.

August - October 2012: BBC Commercial Availability
Selected technologies: Java/JSP, Spring, Hibernate, Tomcat, MySQL, JUnit, Mockito
Creating a RESTful API to report on BBC content and a UI layer where BBC staff can edit this. Integrating this with third-party APIs such as Amazon to provide users information of where the content is available for purchase.

2011 **Intern, Deloitte**
Processing a range of client data using MS Excel and a bespoke scripting language.

Selected Conference Talks

2015 (Upcoming) "**Graph Theory in Practise**", GraphConnect Europe
Examining how results from academia can shape how we use graph databases

2014 **"Data-Driven Microservices," { develop : BBC }**
Evangelising microservices as a way of encapsulating difficult data driven concerns.

"Ten Databases in an Hour", NDC London and .NET Rocks Podcast
Exploring a range of SQL and NoSQL flavours, combining use cases and theory.

"Introduction to Non-Deterministic Algorithms", SoftCon
Introducing and justifying randomness as a tool in a developer's arsenal.

Key technical proficiencies

Github	**SwamWithTurtles**
Languages	Significant professional and personal experience with a wide range of languages including full-stack Javascript, JVM languages (Java, Groovy, Clojure) and C#.
Testing Frameworks	Keen automated tester, with knowledge of frameworks to test across each layer of the technical stack using (e.g.) JUnit, Mockito, Selenium, Cucumber and Jasmine.
Databases	Architecting and integrating with a wide range of SQL databases. Evangelising a range of NoSQL databases, prioritising the correct technology for the job.
Architecture/ DevOps	Designed and implemented multilayered architectures with technologies including servers/hosting (IIS, Tomcat, Apache, AWS); automated deployment pipelines (Maven, Grunt, Jenkins) and monitoring (NewRelic, Nagios).
Agile	Familiar with a wide range of agile techniques, leading scrum and kanban teams.

Education

2008-2012 **Trinity College, University of Oxford**
MMath in Mathematics and Statistics (2.i)
Including modules in data analysis; statistical programming and communication algorithms. Produced a dissertation on an algorithm (Barabasi-Albert) used to model scale-free networks including the growth of the internet.

2001-2008 **King Edward VI Grammar School and Sixth Form College, Chelmsford**
A-levels in Maths, Further Maths, English, Physics and German (A)
11 GCSEs including Maths and English (A* or As)

Voluntary Work

2013-2014 **CSR Officer, Softwire**
Voluntary role managing the company's Social Responsibility programmes. Developing an overarching annual strategy; as well as organising frequent opportunities for staff to help deliver and shape this vision.

2010-2012 **Marketing and Fundraising Officer for Oxford Pride**
Working collaboratively to host a ten day festival with an approximate attendance of 2,000-4,000. Organising and marketing small fundraising events to support the not-for-profit event.

Other Interests

Watching and performing improvised comedy.
Charitable volunteering, particularly for advocacy organisations.
Jogging, long-distance races and trail-running obstacles courses.