

# David Simons

## 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.