JOHN M F GARBUTT MA (Cantab) MBCS

Practitioner of pragmatic user focused design to deliver simple, yet delightfully powerful, products

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Nationality:
British

Date of birth:
18th June 1985

Education

2003-2006 **1st Class BA (Hons) in Computer Science.**
Corpus Christi College, University of Cambridge

Awarded the Caldwell/Corpus-Taylor Scholarship in 2004, 2005 and 2006.
First year was 50% Computer Science, 25% Physics and 25% Maths.
Later years 100% Computer Science; taking a mixture of Semantics, Hardware, Systems and Software Engineering courses.

2001-2003 **A-level: Computing A, Further Maths A, Maths A, Physics A.**
AS-level: Chemistry A
John Leggott 6th Form College, Scunthorpe

Awarded three extra maths modules not used in claiming Further Maths and Maths, and gained a Prize for contribution to College Music.

1997-2003 **GCSE: 5 subjects grade A*, 4 subjects grade A, 2 subjects grade B**
St Bede's Catholic School, Scunthorpe

School prizes included: Service to the School, Form Prize, Lower School Science Prize

Technical Skills

I have had experience with Windows (7, Vista, XP), Windows Sever (2003, 2008, 2008 R2), Linux, Object Oriented design, UML, XML, XSLT, C# 3.5, Java 5.0, RMI, JDBC, basic C++, WIX 3.0, JUnit, NUnit, Moq, WPF 3.5, PRISM/CAF, Unity, XHTML, CSS, JavaScript, JQuery, Open Ajax, REST, PHP, ASP.NET, ASP.NET MVC 1.0, JSP, AD FS, RSA SecurID, Open Office, Microsoft Office, MySQL, Microsoft SQL Server, Entity Framework, Eclipse, Visual Studio (2003, 2008), Object Orientation, Test Driven Development, Waterfall, Agile.

Employment

Since July 06 **Citrix, Cambourne (near Cambridge)**
Lead Software Development Engineer

Citrix is the only enterprise software company with end-to-end virtualization, networking and software-as-a-service technologies. Citrix desktop virtualization, application virtualization, server virtualization, application networking, cloud computing and Software as a Service offerings radically simplify computing for millions of users, delivering applications as an on-demand service to any user, in any

location on any device. I have been working products that deliver the end user experience for the Citrix's Desktop and Application virtualisation products.

My responsibilities included:
- Development and maintenance of a large enterprise web application that gives users access to their Citrix applications, running on both ASP.NET and JSP web servers. It is highly configurable, including a wide variety of authentication methods. It is used by around 90% of Citrix Desktop and Application virtualization customers.
- Part of a cross department team to help define personas and use cases for typical end users to drive forward better user experience focused design
- Assisted in interviewing both developers and testers, including producing new material to aid the assessment of candidates
- Investigating the use of AJAX and JQuery on top of a new middle tier of services to deliver a better web access experience for Citrix applications and desktops
- Developing a new WPF application, on top of the new middle tier, to give users access to their applications and integrate them into their windows desktop more affectively
- Negotiating between several teams to produce a new single form description protocol and allowing several systems to interoperate to achieve an authenticate once experience
- Assisted with mentoring new members of the team
- Helped train the team about new technologies an approaches through book reviews and presentations

I joined Citrix full time as a Software Development Engineer, quickly being promoted in October 2007 and again in October 2008, reaching the grade of Lead Software Development Engineer. I have received several spot bonuses for my contributions considered beyond that expected from someone in my role.

I started working in the Web Interface team, building a web application that runs on both ASP.NET (mixture of C# and J#) and JSP web servers. The system makes use of Object Orientation and many common design patterns. I was involved in both server side (including work on the authentication system, dealing with making several systems work together: AD, RADIUS servers, Citrix XenApp™ and Citrix XenDesktop™ servers) and client side (assisting with improving the end user experience, with novel uses of HTML, JavaScript and CSS). In this role we used a modified version of the waterfall model, and I was responsible for several features through all stages of the development lifecycle from requirements gathering, design, specification, implementation, bug fixing to LCM maintenance. This product is used by 90% of all Citrix XenApp™ customers to access their applications on a daily basis, and so used by many large enterprise companies around the world. I also worked on some key features in a project to integrate this product with SharePoint 2007.

More recently I have been involved in greenfield development. I was the given responsibility for looking at new ways to deliver a radically improved web experience by making use of new web design methods, including the use of Open AJAX and JQuery.

I am currently working on a WPF (in C# 3.5) application, which involves an element of multi-threaded work to ensure the smoothest user experience. This has also involved negotiating between several teams and their architects to produce a new single form description protocol and allowing several systems to interoperate to achieve an authenticate once experience. The full picture involves at least twelve different components, that all need to be brought together into a single solution.

Outside of my development responsibilities I continue to do a lot of reading around the subject of Software Development to improve my skills and extend my programming 'toolbox'. This allows me to have a more informed and professional approach to my work. I have spread this information with the team through a mixture of demos, book reviews and presentations.

I have also helped on cross team groups looking to better define the Citrix User Experience, collecting appropriate personas and use cases to better inform the designs of our products in the future, and drive a more user focused design approach. I also have assisted the test department in making better use of automation, and ensuring that development changes any practices that would hinder their efforts, always looking at ways to work more efficiently.

Throughout my time in Citrix I have had been consistently well respected for my good teamwork, quickly integrating into any team I join, and working well with all supporting teams such as Security, Test, Publications and Product Management. I have also been well respected for my negotiating skills, high productivity and my ability to seek out, learn, and sensitively apply, new technologies, and sharing that information effectively.

July-Sep 05   **Citrix, Cambourne (near Cambridge)**
                    Software Development Intern

I worked to evaluate the usefulness of Citrix producing a WSRP Portlet. This involved building a prototype Portlet to delivery a similar experience to their current web interface and looking at what support there was for the WSRP standard.

July-Sep 03   **John Leggott College, Scunthorpe**
                    IT Technician

Worked as IT Technician, on the back of a successful placement in year 11 at Secondary School (for which I was given a student award from North Lindsey College). I assisted with the rolling out of new PCs and maintenance of existing hardware, along with developing a small front end for a SQL Server 2000 Database using Visual Basic 6.0.

July-Aug 02   **Corus, Scunthorpe**
                    Corus Sixth Form Link Scheme Student

Worked on analysing the usefulness of a Mettler Autotitrator in the water testing lab. I was awarded the prize for best Student on the scheme, due to the execution.

Additional Skills and Interests

Tuba Playing
Grade 8 (ABRSM) Tuba achieved in Summer 2003. Awards including the Musician of the Year Award, North Lincolnshire Music Support, 2003. Regularly play in Brass Bands, Concert Bands, Orchestras and Brass Quintets. I was a member of both Cambridge University Brass Band Committee (as Webmaster and Publicity Officer) and University of Cambridge Concert Band Committee.

Catholic Church
Altar server since 1992. Member of the Parish Advisory Committee from 2001-2003. Member of the Deanery Youth Advisory Committee (1999-2003). Assisted in the running of retreat courses with the Nottingham Pilgrims. Wrote and ran courses to prepare young people for Confirmation. Whilst at school, Head Sacristan in the school chapel. Member of the Fisher Society Committee 2004-2005 (as Computer Officer) and Chairman of the Fisher Society 2005-2006.

Referees
Available on request