

# Callum Jones

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## Objective

Work for a company to develop and extend products that impact the way people interact with technology, whether that product be present at their desk or out in the open. Strive to build applications that feel natural, intuitive and require no stress to work or play with. I want to build an amazing product that enables user to get in and get their work done, I want computers to feel less like a chore and more like an exciting visually engaging experience every day.

## Skills

- IDE skills: NetBeans, Eclipse and Visual Studio
- Advanced UNIX knowledge: Mac OS X, Basic C Programming for the UNIX platform
- Objective-C (iOS development): Experience with iPhone and iPad development with greater focus on design and usability as well as performance tweaking for database (CoreData) and network heavy applications. Worked primarily with JSON communication between Ruby developed servers and iOS clients (JSONKit).
- Java Programming: Work with integration between Apache Struts 1 web framework and Facebook Graph API frameworks to develop Facebook applications and single sign-on features.
- .Net C#: Focused on ASP.Net development including Microsoft's SharePoint platform and standard ASP applications. Developed C# applications to assist with MCE in Windows 7 to convert WTV to the more open and readable DVR-MS format and developed applications to interact with Active Directory to reset passwords and import users.
- Advanced (X)HTML and CSS knowledge.
- Advanced Javascript: Worked primarily with jQuery framework for JSON based web page events including WebSockets implementations.
- Ruby: Developed small Rails web applications for use with MySQL/SQLite databases. Worked with Sinatra + Rack for lightweight web applications.
- Open Web: Integrated web applications with OAuth and Facebook connect.
- Windows desktop deployment: Sysprep and Altiris integration as well as customising the WinPE environment for more efficient systems delivery.
- Team leadership and instruction: from work with desktop deployment, able to direct teams to efficient configure desktops for quick deployment as well as train other IT staff in using the Altiris and Sysprep solutions.

# Experience

## **CSG Australia – iOS/Web developer**

Solutions consultancy firm Perth, Western Australia February 2011 - November 2011

- iOS developer on mid size team developing distributed application for medical industry.
- Developing new interfaces through pinch/zoom, validation and notification services designed for the appropriateness of the end user.
- Concern with ensuring the interface looks and feels fantastic but appropriate and clean for the end user; users need to love using it but not be distracted or held up by over the top graphics.
- Continued work in ensuring application has reduced footprint, user waiting periods and application memory leaks.
- Ensuring the existing iPad experience brought from existing applications is reflected in the application; not an alien experience.

## **Rumble – Backend engineer**

Mobile application startup, London July 2010 – December 2010

- Facebook legacy platform transition: moved existing legacy Facebook platform (single sign-on, feed publishing) to new Graph API for Rumble's Java web application framework. Involved web, wap and API rewrites. Developed legacy conversion for those using old clients to seamlessly move to new platform.
- iPhone application upgrade: moved existing Objective-C Facebook library to new library to support new platform transition, modified API calling code, and performed basic UI cleanse.
- Facebook application developed: planned and developed Java and Ruby based Facebook application capable of understanding a friend's social graph in terms of cities visited.

## **WestNet Infrastructure Group – SharePoint and Web Application Support**

Utilities and Corporate Services Perth, Western Australia November 2008 – January 2010

- End user SharePoint support: aiding in content management such as list, document libraries and web part management with HTML.
- SharePoint document management deployment: installation of SharePoint environment to support 7000 CAD drawing related documents at a size of 30GB. Development of .Net command line and graphical applications to be used for importing documents from legacy SQL databases and Excel documents.
- .Net application development: combination of ASP.Net and console application (both C#) development to allow end users to deliver standalone classic ASP applications (APIXEL's Metamorphosis) to Intranet with ability for ASP.Net application to attach to the MDB database.
- InfoPath and SharePoint workflow development (Learning Directory project): building InfoPath forms with C# code to allow employees to book courses with automatic Active Directory or LDAP lookup to locate user's manager
- Continuous maintenance of IT Shop: extending and improving original Classic ASP VB IT Shop vendor product (ecommercetemplates.com) with improved HTML layout, transition to SQL database, Active Directory integration to obtain employee's contact details on checkout, JavaScript improvements.
- Work with SQL Reporting Services Server 2008 to deliver indepth IT Shop reports in realtime to IT Shop stakeholders.
- XSLT modification: customising Content Query Web Part and Search Center web parts to improve user interface for end users.

## **John XXIII College – Web applications and systems support**

Education Perth, Western Australia December 2006 – November 2008

- Operations support for LAMP stack: supported the Typo3 CMS (now migrated to SharePoint) as college's website running on a CentOS 5, Apache, MySQL 5 and PHP5 stack. Integrated server into existing Microsoft environment using SAMBA to bind to existing domain allowing end users to publish newsletters from the desktop. Also developed PHP application to allow on the fly delivery of standard videos to Flash video (FLV)
- Altiris Deployment Solution: transitioned existing site of 600+ computers from Ghost to Deployment Solution. Developed solution to transition from hardware dependent imaging (at one point being 5 different images) to a unified hardware independent image using Sysprep to be distributed to all college machines.
- Software packaging process development: Original solution involved bundling all applications into one image, which reduced flexibility and ultimately meant different images per department. Built VMware Server installation to allow IT staff to boot into Windows XP environments to install and capture MSI only setup files.

## Education

### **University of Western Australia – Computer Science**

Perth, Western Australia

*2011 - present (estimated completion 2012)*

- Systems units studied: Computer Networks, Advanced Databases
- Ux units studied: Human Computer Interaction

### **Queen Mary University of London – Computer Science**

Mile End, East London

*2010 - 2010*

- Systems units studied: Distributed Networks and Security
- Software units studied: C++ for Image Processing
- Additional units studied: Multimedia

### **University of East London – Computing**

Docklands, East London

*2010 - 2010*

- Systems units studied: Network Security
- Software units studied: Programming Paradigms
- Additional units studied: Information Security

### **University of Western Australia – Computer Science**

Perth, Western Australia

*2008 - 2009*

- Web units studied: Web Technologies, Internet Technologies, Databases
- Systems unit studied: Operating Systems, C Programming
- Software engineering units studied: Java Programming, Software Engineering, Software Engineering: Design, Data Structures and Algorithms
- Additional units studied: Professional Computing, Calculus C, Mathematical Statistics

## References

Available on request.