

# Stephen Reay

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## PROFILE

I have a keen interest in IT, and strive to use the resources available to provide a solution that meets or exceeds the desired outcomes. I believe in doing things right, the first time, which gives me a strong attention to detail, and a desire to follow things through to completion.

I am of the opinion that anything is possible, and nothing is too hard, with creative, lateral thinking, and a passion for technology.

## SKILLS

My experiences in the workplace and at home, along with my studies at TAFE have given me a strong technical skill set, across a broad range of topics, as shown below (not in any particular order).

| SOFTWARE  | INFRASTRUCTURE                       | DATA                          |
|---|--------------------------------------|-------------------------------|
| Valid & Semantic XHTML & CSS                              | Mac OS/Mac OS X v7.5 - v10.5         | MySQL (including replication) |
| PHP   | Windows 98, XP 2003 Server, Vista    | Oracle                        |
| Windows Batch/Script files                                | RedHat, SUSE, CentOS                 | Novell eDirectory             |
| Adobe/Macromedia Fireworks v4 - CS4                       | Novell Netware v5 & 6.5              | LDAP / LDIF                   |
| Apache SSI  | Novell iPrint / NDPS                 | XML & basic XSL               |
| Web Accessibility / WAI guidelines                        | Novell GroupWise v5.5 & 6.5          | JSON                          |
| Advanced & unobtrusive JavaScript - OO, AJAX, & Libraries | Novell ZENworks v4 & 6.5             | Subversion                    |
| Adobe Dreamweaver v4, CS3                                 | SharePoint / MOSS 2007               | SOAP/Web Services             |
| Adobe Contribute CS3                                      | Adobe Contribute Publishing Server   |                               |
|   | VMWare Workstation, Fusion, & Server |                               |
|   | Apache                               |                               |

## EXPERIENCE

Further details and examples of my work can be found in my online portfolio at <http://www.bobs-bits.com/portfolio/>

### **Online Services Application, Nurses Board of Victoria** **September 2009**

I was contracted by a development company to create an Online Services application in PHP, using Web Services from an existing, internal system. The Web Application provides Nurses with the capability to Renew their registration and update contact/address details. This Application is built using the BTM MVC Framework.

### **Development, BTM MVC Framework (Open Source Project)** **Ongoing**

BTM MVC Framework is a simple PHP5 framework designed to allow rapid development of Web Applications, while still embracing best practices and providing flexibility to the developer.

### **Helpdesk Application Development, Intellect IT** **May 2009-Current**

I am currently working with Intellect IT to further develop and refine their internal Helpdesk Ticket Management system. The application is run as a Joomla component, and as such this work is predominantly PHP and MySQL, with HTML, CSS & JavaScript as well as setup/configuration of MySQL replication, Subversion repositories, Rsync backups and Apache configuration.

### **Intranet/Portal Development, Nurses Board of Victoria** **May 2009**

I was contracted by a development company to handle the on-site implementation and final development of an Intranet/Portal site for the Nurses Board of Victoria. Integration with existing business systems was achieved using a combination of PHP, JSON, RSS, XML and JavaScript (primarily built on top of the Ext JavaScript library).

### **Development, [BTM CMS](#) (Open Source Project)** **Ongoing**

This is a long-running project to create a flexible Website Content Management System. This is currently being re-written using the BTM MVC Framework.

### **Development, [BTM JavaScript Library](#) (Open Source Project)** **Ongoing**

BTM JavaScript Library is a collection of JavaScript, CSS and image files, providing common functionality and UI components. It is built to work on top of several other JavaScript libraries, and is currently tested to support IE6+, Safari 3+, Firefox 2+ and Opera 9.3+.

BTM-JS is designed to be as [unobtrusive](#) as possible, providing built-in support for running a function/method on relevant elements automatically.

BTM-JS is still under active development, more information can be found at the [BTM-JS page](#) of my [portfolio](#), and at the [BTM JavaScript Library](#) page.

### **Website Development & Maintenance, [www.Bobs-Bits.com](http://www.Bobs-Bits.com) (Personal Website)** **Ongoing**

I run a personal website at [www.Bobs-Bits.com](http://www.Bobs-Bits.com), to develop and show-case my skills and experience in web-related technologies, and to make Applications, Scripts and

Tools I have developed available to others. This website uses valid XHTML & CSS, Javascript and a PHP/MySQL back-end.

**Consultation & Web Development, <http://www.lolittaclothing.com.au/> February 2009**

I worked with a [PC Studio](#), to identify, design, and build a JavaScript/CSS powered Image rotator, for the Lolitta Clothing website.

The end result uses a combination of JavaScript (using the [jQuery](#) library), CSS, PNG Images with Alpha-Transparency, and where necessary, ActiveX Filters for Microsoft Internet Explorer.

All markup, CSS and JavaScript was tested across the major release versions of major browsers, including Firefox 2+, MSIE 6+, Safari 3+, on both Mac and Windows.

**UI/Web Developer, Primus Telecom July 2008 - January 2009**

*List.com.au*

*July - October*

I was initially hired to work in a two-person team that reported directly to the CEO, developing a prototype for a new e-Commerce site, focussing on C2C transactions, similar to Craigslist or the Trading Post.

My role in this team was focussed on the front-end development of the prototype and included creating wireframes, mockups, and then working pages/designs using Accessible, semantic XHTML with CSS and JavaScript. As I was the only Front End Developer in the team, I was also responsible for testing & debugging everything I developed, as well as informal functional testing of the working prototype.

Due to a lack of clear direction from management this project was cancelled.

*Primus.com.au*

*October - January*

Following the cancellation of the List.com.au project, I worked in the Retail Marketing team, focussed mainly on the project to replace the existing public website.

My work on this was initially background analysis, such as competitor, customer and internal surveys, creating wireframes and mockups etc.

In the later stages, I worked together with the other Web Developer, to re-build the required functionality for the new site in PHP. This revolved largely around the ADSL service availability checker, and later the product availability matrix (identifying which products/services are available to a customer)

Once the ADSL availability checker was built, and integrated with the new CMS platform, I was involved in testing the tool under all major browsers/versions, and testing under various conditions such as browsers with JavaScript disabled, etc.

**Web Designer, The CrimTrac Agency April 2006 - June 2008**

As the sole web designer for the CrimTrac agency, I provided technical contributions to various browser-based solutions, as well as advice on best practices, guidelines and server-side/client-side integration.

*CrimTrac UI Kit*

While working at CrimTrac, I was the sole developer of the CrimTrac UI Kit, a standards-compliant, cross-browser, common application branding/User Interface library being developed for use by all web-based business applications at CrimTrac, using hand-coded XHTML, CSS and advanced JavaScript.

The UI Kit follows unobtrusive JavaScript concepts, and builds on top of Prototype and Scriptaculous for browser abstraction and effects. It covers a wide range of common UI elements, from faux Date/Time fields and standardized display of tabular data (Record Lists), to a simplified (to use) field enabler JavaScript class, and an auto-initializing (no in-page JavaScript required) "instant tabs" class allowing blocks of content from the current page, or other pages (using either AJAX and/or a normal HTTP request), to be collected into a single "tab set".

Part of this work involves the creation of technical and business documents to support and detail the technical, behavioral and style details of the CrimTrac UI Kit.

An integral part of the development of the CrimTrac UI Kit was ensuring 100% compatibility across the supported browsers, IE6+, Firefox 2+ or Safari 3+. This consisted of testing both individual components, and integration of several separate components to create a single, complex component.

*CrimTrac Intranet (SharePoint/MOSS)*

Between November 2007 and June 2008, I worked with the Project Manager, Infrastructure Manager, CTO and a number of staff from external suppliers, to develop and implement a SharePoint/MOSS 2007 Intranet. My role in this was initially providing advice and information, but progressed into hands-on technical work, including design/creation of layouts & templates; day-to-day administration; and analysis & implementation of security roles/permissions.

After the initial build of the Intranet, I, along with the Project Manager, undertook to test all functionality being used by the agency. This was carried out by the two of us, hands on, and later, through organised User Acceptance Testing with a number of staff carrying out pre-defined tasks in conjunction with availability testing.

*CrimTrac CMS (CTCMS)*

I designed, developed and maintain a temporary, in-house CMS for the organizations' website, using Apache, PHP & Oracle. This application used a number of technologies to assist user productivity, such as automatic HTML validation using tidy, site-wide link checking and AJAX powered user interaction for all management options that don't require a page to be reloaded. I am currently implementing a commercial CMS replacement for the agency, to allow better AD and desktop integration.

*ANCOR*

Before the inception of the CrimTrac UI Kit, I worked with the ANCOR (Australian National Child Offender Register) project team to replace the existing tables-based user interface with a more usable, consistent design, using XHTML, CSS and

JavaScript. The core concepts laid out with the ANCOR UI have followed through into the CrimTrac UI Kit.

As the sole client-side developer working in the agency, I was responsible for not only designing, and developing each screen in the ANCOR system, but also testing and where necessary debugging problems, both caused by client-side coding issues and by issues associated with integrating with a J2EE web application.

**System Administration, TAFE SA**

**July 2005 - April 2006**

*eDirectory Migration Project, TAFE SA*

In June 2005, I was selected by the IT Services Manager for TAFE SA Regional to take on the role of Agency Technician in the migration of approximately 30 Network servers over 19 sites, into the new TAFE SA eDirectory. My involvement in this project both increased, and tested my knowledge and skills in ZENworks, NDPS/iPrint, Groupwise and eDirectory administration, as well as client-side (Windows) scripting and application distribution.

This project was carried out campus-by-campus, on weekends during term-time, and as such, the team as a whole had approximately 2.5 days to completely migrate an entire campus, so that disruptions to staff and students was kept to a minimum. A large part of this was extensive testing of each changed component at the campus, including network logins, internet proxy services, email functionality and network printing queues.

After completing the eDirectory Migration Project for TAFE SA Regional, I carried out a range of duties including: eDirectory Administration; ZENWorks Application & Policy development; SOE work; Data-propagation scripts; NDS maintenance/user creation scripts; and several custom Web-Apps using XHTML, CSS, PHP, LDAP/eDirectory and MySQL, on a regular basis.

**Desktop Support, TAFE SA**

**November 2003 - July 2005**

My role in the IT Services team at the Gawler campus of TAFE SA varied, and covered tasks ranging from answering help-desk calls, general workstation troubleshooting and maintenance, to NDS/Groupwise account management, ZENworks Application development and Linux server management.

**Website design & creation, [www.YPR.org.au](http://www.YPR.org.au)**

**2001-2005**

I have recently finished work on the second revision of the Lions Club of YPR website. Written entirely in W3C-valid XHTML and CSS, with Javascript and a PHP/MySQL back-end, all content on the new website is updated through a web-interface, with a built-in parser for simple formatting, images and links, via custom tags.

**Desktop Support, Greenock Primary School**

**2003**

In this position I managed, repaired and updated the curriculum and administration computers on a part-time basis. The main focus of this position was hardware faults and resolving system issues within the Windows environment. An element of this position also included purchasing, building and configuring new Windows PCs.

**Volunteer, Gawler A, H & F Society**

**1996-2006**

The Gawler Agricultural, Horticultural & Floricultural Society runs the two-day Gawler Show, in South Australia. As a member of the Management and Tradespace & Catering committees, I was involved in the "operations" aspect of the show, where resourcefulness and strong commitment to the task at hand are required to keep the show running without major issues or disruptions.

**EDUCATION**

**TAFE SA, Gawler Campus**

**2001-2003**

*Diploma of IT (Network Engineering)*

My studies covered a wide range of topics, including RedHat Linux, Cisco, Novell Netware & NDS, Java, C, Visual Basic, Project Management and IT Support. In my last year of study, together with another student I designed, developed and implemented a web-based student assessment server for the IT Studies program group that was used until 2006.