

Brad Garland

Career Objective

My passion for computers started when I was very young and was the clear choice for tertiary study and a career. Since then, I have developed a very thorough knowledge of computing from the construction of a CPU to the development of business systems. Now, having 12 years commercial experience, most of it in process improvement using internet technologies, my current goal is to use this knowledge to build simple web solutions to complex business problems.

Career Summary

JN Solutions Australia, Sydney. June 2008 – current.
CTO, Co-Director

- I developed the systems at JN Solutions using **Ruby on Rails** running on **Linux** with a **MySQL** server and some extensive **SQL**; **Javascript** using **Prototype** library.
- Developed Starcast – an online chart revealing the performance of clients with the ability to build scenarios to set targets and predict future performance.
- Developed Analytics – an online collection of reports including a customisable dashboard utilizing drag and drop functionality.
- Starting a company has required many skills beyond those of computer programming. One essential skill has been to ensure we focus intensely on those tasks that would provide the greatest return for the investment.
- Performed demonstrations of the systems to senior management and to potential customers at an industry event.
- Performed face to face training of the systems to users and co-developed the online help text and videos.

Job Futures, Sydney. February 2005 – May 2008.
Senior Web Developer, Applications Team Leader

- The systems I developed at Job Futures were built using **Ruby on Rails**. I also maintained an existing application built using **ASP (JScript)** with occasional bits of **C# .NET** and **perl**.
- Development used Test Driven techniques and made use of rails gems and plugins.
- Ruby on Rails environment consisted of **Linux** servers with **Postgresql**, **subversion**, **cruisecontrol**, **capistrano**, **vim** and **Trac**.
- Contributed enhancements to Rails' SQL Server driver to core Ruby on Rails code.
- Job Futures hosted the Sydney Ruby on Rails monthly meetings for a few months in 2007.

Pearson Education, French's Forest. March 2002 – December 2005.
Senior Web Developer

- All the development work at Pearson Education involved **Visual Basic**, **ASP (VBScript)**, **Javascript**, **T-SQL** and **HTML**.

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- Developed internal systems for managing the processes of compiling books including the tracking of marketing materials and a royalties/permissions system.
- Managed the flow of data from internal and international sources into the local systems, automatically resolving conflicts in the data.
- Developed a common website framework to be used for both consumer and educator.

WSA Online, Sydney. April 2001 – December 2001.

Senior Web Developer

- All the development work at WSA involved **ASP (VBScript), Javascript, T-SQL** and **HTML**.
- Developed websites for clients including *Mitsubishi, Colgate, Thrifty and Medibank Private*.
- *Some achievements*: Converted and imported third-party data, automated some reporting. Built a secure transfer of login details to an externally hosted BigBridge accounting system. Re-wrote a proposal system simplifying the workflow and reducing development effort. Integrated a site with ANZ's E-gate credit card payment system.
- Worked in a group to develop **coding standards**, libraries and best-practice methods of developing, to improve consistency in code. Detailed use of the global.asa, database connections, SQL queries, variable names, include files for re-usable code etc.

CCK Financial Solutions, Sydney. April 2000 – February 2001.

Senior Web Analyst / Programmer

- All the development work at CCK was in **Visual Basic 6** using **Webclasses, COM** objects, **XML, XSL** and **SQL**.
- Primarily responsible for the architecture and development of a project to provide a web interface to CCK's Treasury Risk Management software.
- Developed a Session object that was stored in a database so it could work across multiple servers.
- Used **XML** and **XSL** on the client's browser to reduce the load on the web server when examining reports from the Analysis and Reporting System. Also helped develop a WAP (WML) interface.

Origin, Australia (now Atos Origin), Sydney. November 1998 – April 2000.

Internet Developer / Systems Engineer

- Developed systems for various customers including *Perpetual Superannuation* and *Gateway Computers* where I led the team to develop a database backed system for their online system configurations in multiple currencies. Prior to this they were re-writing HTML every week.
- Was frequently sent out to **client sites** across NSW to work on their systems – from installing PCs and printers on a WAN to documenting business-critical databases and Y2K patching.
- Provided time estimates to project managers for quoting purposes and wrote parts of specification and design documents.

Eurofield Information Systems, Sydney. November 1996 – 1998.

Assistant Programmer

- Developed using Visual C++, perl, HTML and CGI.
- Wrote user documentation and Windows help files using RoboHelp.

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- Maintained and documented legacy code.
- Provided technical support for customers, clients and internal.

Higher Education

University of Technology, Sydney. February 1994 – June 2000.
Bachelor of Science (Computing Science)

I studied full-time from 1994 until 1997 when I began my industrial training at Eurofield and then continued to work full-time while studying until the successful completion of my degree. My electives primarily focussed on computing languages and computer architecture and design. The highlights of my degree include 5 High Distinctions and 8 Distinctions.

Sites I've worked on

www.jnsolutions.com.au

www.pearsoned.com.au

www.accorhotels.com.au

www.gateway.com/au (offline)

www.auscellardoor.com.au

www.jobfutures.com.au

www.mitsubishi-motors.com.au

www.thrifty.com.au

www.medibank.com.au

www.supersmart.perpetual.com.au (offline)

Personal information

I have a high attention to detail which is essential for programming. I have strong written and verbal communication skills. I am goal-oriented and focussed. I aim for simple, elegant solutions that are simple for the user, flexible enough to be changed and that actually achieve the results that are sought.

I ensure my skills are kept at their peak through constant learning and participation in forums, competitions and events. I try to do the best job at whatever I do.

I have many interests including programming, photography and investing.

Skills Matrix

(5 = Highly skilled, 4 = skilled, 3 = Skilled + limited experience, 2 = limited experience, 1= Knowledge of)

Ruby on Rails	5	Have developed complete applications using test driven approach
ASP (Jscript / VBScript)	5	have written code libraries and standards
Javascript	5	AJAX, DHTML, Prototype library.
SQL / T-SQL	4	use of stored procedures, cursors, joins, temp tables
Visual Basic	3	Webclasses, windows applications, database connections
XML / XSL(T)	3	designed XML data format and wrote XSL templates to view the data
perl	3	data analysis & migration, text processing, CGI
Java	2	used in online competitions such as TopCoder.
Microsoft Windows	5	have worked with and developed on all desktop versions.
UNIX / Linux	5	installation, shell scripting, basic admin, scheduled jobs
MS SQL Server	4	scripts, BCP, DTS, installation, logging. v6.5 & v7.0.
MySql and Postgresql	4	installation, setup, maintenance
SourceSafe	4	create projects, compare files/directories, permissions
MS DOS	4	developed scripts to automate ftp connections, data imports
Internet Info Server (IIS)	3	multiple domains on one host, virtual directories

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Computer Hardware	4	built machines from components, installing OS, drivers and software
Networking	3	understand TCP / IP, IPX, network cards, servers, firewalls, gateways

I have also programmed in: Miranda, Eiffel, python, COBOL, BASIC (DSE VZ300, VIC-20, C64, Mac and QBasic versions), LotusScript, 80386, 6502A and Occam.