

Duncan Bayne

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<http://www.fluidscape.co.nz/>

SKILL SUMMARY

- Agile Development (specifically XP)
- Development process optimisation
- Problem solving and research skills
- C#, WinForms, WPF, WCF, .NET 1.0 - 3.5
- C, IronPython
- MS SQL Server, Oracle, MySQL
- Spoken & written communication
- Coaching and mentoring technical users
- OO Design, Multi-tier architecture
- NAnt, NCover, NUnit, NUnitForms, White
- Ruby, Ruby on Rails, Selenium
- Extensive Windows and Linux experience

SUMMARY

I am an enthusiastic and self motivated individual with a love of new technology and elegant design, and a strong interest in the business of software solutions. I enjoy challenging positions that call upon my development, design and interpersonal skills. My preference is for teams that embrace Agile principles, and I enjoy sharing my skills in XP.

EMPLOYMENT HISTORY

OffByZero Pty. Ltd.

Director

March 2007 – Present

Melbourne, Australia

- As one of two directors and founders, built OffByZero from scratch in 2007 into a profitable consulting and software company that has released three software products. Along with Armin Sadeghi, I:
- Released OBZVault – a Java based encrypted text editor (<http://offbyzero.com/obzvault>)
- Released OBZTime – a Ruby on Rails based time sheet solution OBZTime (<http://obztime.com/>)
- Released Cobalt – a turnkey software licensing solution for .NET (<https://cobalt.offbyzero.com/>)
- Produced and delivered advertising material including text ads, screencasts, presentations, live coding demos
- Provided consulting and bespoke software using VBA, VB.NET, C#, Java and Ruby on Rails
- Administered all aspects of the business, including accounting, taxation, insurance, and advertising
- Grew OffByZero in scope and profitability throughout the global market readjustment of 2007 - 2009

Leica Microsystems

Senior Developer (Contract) May 2008 – January 2009

Melbourne, Australia

- Significantly improved communication between stakeholders and developers by involving stakeholders in the generation of acceptance criteria for each individual Story
- Introduced and encouraged the adoption of Agile processes within the development of Cerebro, a .NET 3.5-based case management system for histology labs
- Mentored junior developers in OO design, dynamic programming, .NET development and Agile processes
- Researched, designed and implemented a device-agnostic printing system in .NET 3.5 for laboratory printers including the Leica IP-C, IP-S and Zebra printers
- Introduced and evangelised new .NET technologies that enable Agile processes, including the White UI testing library and NCoverCop.
- Tested the suitability of the IP-C device for integration with Cerebro and developed best practices for printing 2D bar-codes and human-readable text with that device
- Contract was extended once

Varian Inc.**Senior Developer (Contract) June 2007 – May 2008****Melbourne, Australia**

- Consulted upon the design of many key areas of the Common Reporting Framework (CRE), a .NET-based reporting framework for Varian scientific instruments
- Assisted with the adoption of XP within the CRE team
- Mentored junior developers in OO design, .NET development, and test driven development
- Researched and recommended SQL Server Reporting Services, WiX, and Spire Designer components for use within CRE
- Contributed to open source projects used by CRE including NXmlSerializer and the WinForms test driven development framework NUnitForms
- Contract was extended twice

Object Consulting**Senior Developer (Contract) March 2007 – June 2007****Melbourne, Australia**

- Determined current and future requirements for several areas of HBA's enterprise-level CRM (called Cyclops)
- Consulted upon the design of key Cyclops components, including the validation engine, and the database migration / upgrade toolkit and strategy
- Created and improved essential Cyclops components, working end-to-end from the Oracle DB through to the Cyclops UI
- Evangelised best practices in .NET - in particular WinForms
- Suggested several key improvements to the design of the Cyclops DB
- Built relationships with client staff members including managers, developers and QA team
- Was offered but declined a significant extension to my contract

Agile Software Ltd.**Senior Developer****January 2006 – February 2007****Auckland, N.Z.**

- Participated in the top-level design of Avaya Contact Center Express (CCE) 3.0
- Created key CCE desktop components including Email, Printing, Rules and Spelling
- Created the Virtual Media Client custom solution immediately upon arrival, which was so well received that the a generalised VMC will be a key component of CCE 3.1
- Researched an IronPython based scripting framework for CCE
- Pioneered the use of dependency injection to dramatically simplify the use of our plugin architecture from the end-user perspective
- Created and evangelised a modern development environment for Agile, including an automated build system, release auditing, and new source control system
- Promoted better integration of internal customers with the development team during design
- Evangelised Test Driven Development of libraries and WinForms GUIs
- Arranged the first in-house end-user testing of CCE

Pharos Systems Ltd.**Software Developer****September 2002 – January 2006****Auckland, N.Z.**

- Performed initial research on .NET, recommending it over Java for Blueprint 3.0
- Created the extensible GUI framework that runs all Blueprint desktop plugins
- Created a custom branding and I18N library and DB compatible with .NET and MFC
- Created a custom I18N solution for Crystal Reports 9.0 using the CR COM interface
- Researched and created the MSI-based deployment framework
- Implemented an MSMQ-based scalable extensible task infrastructure
- Evangelised and trained others in the use of Test Driven Development

Netwin Ltd.
Software Developer

August 2000 – September 2002

Auckland, N.Z.

- Responsible for DPOP server, and WatchDog and PopFetch utilities
- Resolved reliability and feature issues in DPOP, making it the most reliable DMail component
- Dramatically reduced DPOP support costs
- Introduced the use of source control, and set up a CVS server for use by both our offices
- Represented Netwin in Bangkok in a consulting role, assisting Hatari in the construction of a large load-balanced DMail farm running on Solaris SPARC servers
- Introduced the use of issue tracking to development and support, using the WReq tool
- Created an automated cross-platform build system targeting a Windows and UNIX-like systems

PERSONAL PROJECTS

My technical blog at <http://www.fluidscape.co.nz/> has become a niche source for two groups: users of older Palm OS devices on Windows Vista, and Dell XPS users affected by the NVidia GPU bug.

I have created or contributed to the following OSS projects:

- Incedo – <http://code.google.com/p/incedo>
- andelys – <http://github.com/duncan-bayne/andelys>
- wuji – <http://code.google.com/p/wuji>
- TraceTail - <http://sourceforge.net/projects/tracetail>
- NArg - <http://sourceforge.net/projects/narg>
- Dougal - <http://sourceforge.net/projects/dougal>
- Count - <http://sourceforge.net/projects/count>
- NXmlSerializer (contributor) - <http://sourceforge.net/projects/nxmlserializer>
- NCoverCop (contributor) - <http://sourceforge.net/projects/ncovercop/>
- .NET FTP Client (contributor) - <https://sourceforge.net/projects/dotnetftpclient/>

I'm turning an old valve-amplified radio into (the first?) valve-amplified wifi-enabled MP3 player:

- <http://westiamp.blogspot.com/>