

## Contact Details

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## Profile

I have been working in the software industry for nearly 20 years. I have used my extensive experience in programming, software architecture and agile methodologies to lead teams of developers and manage projects.

### Programming languages and technologies:

- C#
- .NET from v1 to current, WPF
- Frameworks like nUnit, Castle Windsor and nHibernate
- CruiseControl .NET
- ASP.NET, AJAX, WinForms and .NET Compact Framework
- Delphi
- BASIC
- C/C++
- Understanding of Java
- UML
- HTML, CSS
- XML
- Databases including SQL Server, SQLite, Oracle, Access, FoxPro
- PalmOS and PocketPC
- Various version control systems (mainly CVS, Subversion, Perforce)

### General programming and management skills:

- Highly experienced in object oriented analysis and design
- Design patterns, refactoring, unit testing, Test Driven Development (TDD), Continuous Integration, software metrics
- Agile methodologies, particularly Scrum and XP
- Developing requirements and user stories
- Team leading and mentoring
- Project management
- Staff recruitment

### Programming community:

- Regular speaker at software development conferences in the UK, Europe and the US
- Technical Leader for the Developer Group (a programming user group), organising, hosting and speaking at meetings, acting as technical editor and writing for their magazine
- Published articles in The Delphi Magazine

## Experience

### **Tabdee Ltd                      Technical Director                      1999 – Present**

In 1999 I established my own company to provide programming and consulting services and to develop TurboSync, a set of commercial components for writing conduits between Palm devices and PCs in Delphi.

The nature of my work means that I have had too many clients to list here, but some of the larger projects I have been involved with in my career are listed below. A more extensive list of projects, conferences and papers is available on my website:

<http://www.tabdee.ltd.uk/software.html>

### **Schlumberger                      Contractor                      July 2007 – Current**

I have worked on applications for the oil and gas industry, primarily used to evaluate well viability and to design oil and gas wells. My duties have included maintaining legacy applications, with a view to making them more maintainable. This has meant everything from refactoring to redoing application architecture. I have also developed new applications, frameworks and libraries, evaluated new technologies and frameworks and made recommendations for their use, and mentored junior staff, especially with regards to TDD, software design and software quality. I have used my experience to assist team leaders with the introduction of more advanced processes like Unit Testing and TDD, continuous integration and Scrum, and the use of software metrics, which were new to the department.

Main skills and technologies:

- Software design and architecture
- Unit testing, TDD, refactoring, continuous integration, metrics
- C# and .NET up to v4
- NUnit, Castle Windsor, nHibernate
- CruiseControl .NET
- WPF

### **Red Bee Media                      Senior Architect                      March 2006 – February 2007**

I was a senior architect on the BBC's iPlayer project. This was a complex project involving several companies. I acted as technical design authority for one of those companies, signing off on requirements and designs, and liaising with my opposite numbers in the other organisations. I worked with technical leads to select appropriate Java frameworks and technologies, and ensure the architecture was sufficiently scalable and robust. I managed an agile development process (using SCRUM) with a team of up to 8, and promoted the introduction of new agile techniques. I was involved in requirements elicitation and analysis, specification development, high-level design, project estimation, and liaising with management and client. I was also involved in the planning of a suite of products based on the same technology, with a particular focus on establishing a core suite of reusable software components. I was also heavily involved with recruiting developers to build my and other teams, drawing on my experience as an employment officer to evaluate CVs, and to conduct phone screening and face-to-face interviews.

Main skills and technologies:

- Management of a team of developers
- Project planning and estimation
- Requirements elicitation and analysis
- High level design
- Acted as technical contact with other companies on the project
- Project management using Agile methodologies (SCRUM, some XP)
- Staff interviewing and recruitment
- Software was written in Java, using mainly JBoss, JBPM, JMS, Spring and Hibernate frameworks. Maven was used to control the continuous integration process, and Mercury Test Director for automated testing.





## Education

Matriculation	Millicent High School	1977
B.Sc.(Ma.)	University of Adelaide	1985 - 90

Majored in Computer Science

## Conference Sessions and Papers

In addition to these, I have presented several user group sessions, and a master class in Object Oriented programming and design. I have written articles both for the user group magazine and The Delphi Magazine. Some of the papers are available on my website:

<http://www.tabdee.ltd.uk/downloads.html>

BorCon US 2001	Writing Palm Conduits in Delphi
DCon (UK) 2002	More Design Patterns PalmOS Programming Introduction to Refactoring
BorCon US 2002	PalmOS Programming Writing Palm Conduits in Delphi
DCon (UK) 2003	Building an Object Persistence Framework Programming Best Practices The Path Less Travelled – Tips and Tricks in Delphi
BorCon Europe 2003	Design Patterns Refactoring Programming Best Practices
BorCon US 2003	PalmOS Programming Designing PDA Applications Introduction to Refactoring
SDC (Netherlands) 2004	More Design Patterns Introduction to Refactoring Programming Best Practices
BorCon US 2004	Introduction to Refactoring More Design Patterns
EKON/BorCon Europe 2004	Introduction to PalmOS Programming Advanced PalmOS Programming Unit Testing
DeveloperDeveloperDeveloper!	2005 (Microsoft conference in the UK) Custom Attributes in .NET Free and Useful .NET Tools
SDC (Netherlands) 2005	Building an Object Persistence Framework Compact Framework Development with C# Custom Attributes in .NET Free and Useful .NET Tools
SDC One Day Event 2005	Talking to PocketPCs
SDC (Netherlands) 2006	Unit Testing Advanced Unit Testing Even More Design Patterns

## Interests

I enjoy most sports, especially cricket and hockey, and I have trained in karate and aikido for many years. I find that music and reading help me to relax, and I like working with wood. I try to find time to play bass guitar, and I am learning Italian. We also have a new Miniature Schnauzer puppy, who keeps us busy.

## Curriculum Vitae – Jim Cooper

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### Date of Birth

25 December 1960

### Nationality

Dual: Australian and Irish.

### Marital Status

Married