

Andy Bettis



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Date of Birth: 1st January 1957

Marital status: Single (divorced)

Skills Summary

Objective-C and **Cocoa** 7 years, **C++** 16 years, **C** 18 years, **Visual C++** Some experience
Apple Macintosh 20 years, **MacOS X** 12 years
Xcode 7 years, **Metrowerks Codewarrior** and **PowerPlant** 13 years
Positions: Senior Software Engineer, Analyst/Programmer, System design, Technical support, Team leader

Career History

April 2011 - present: Microspot Ltd.

Project: Continued development of *MacDraft*, *Modeler*, *Interiors Pro* & other products

Skills: Objective-C 2.0, Xcode, Interface Builder, MacOS X

My main role was development of the company's 2D and 3D programs, with a primary focus on user interface elements and functionality. There was also some design work on new Mac App Store products and rewriting of older code.

January 2012 - ongoing

Project: Programs for the App Store

Skills: Objective-C, Xcode, MacOS X, iTunes Connect

I wrote some small, primarily financial programs to be sold through Apple's App Store. They included *AndyBooks*, an accounting & bookkeeping system, and *AndyInvoicer*, an invoice generation, formatting & monitoring program.

August 2011 - September 2011: HoCo

Project: Rewrite of ground rent budgeting program

Skills: Objective-C, Xcode, Interface Builder, MacOS X

A rewrite of the budgeting system (see September 2003). A full review of the functionality and user interface was done in addition to porting the program to Cocoa.

August 2010 - October 2010: New Findhorn Directions

Project: Rewrite of energy & utility billing program

Skills: Objective-C, Xcode, Interface Builder, MacOS X

A complete rewrite of the billing system (see October 2001). There were some minor functionality changes but the main purpose was to port the system to Objective-C and the Cocoa framework. The user interface was extensively remodelled and the user guide and documentation rewritten.

October 2009 - March 2010: Findhorn Bakery & Bakehouse Café

Project: Sales and invoicing program, product pricing and labelling program

Skills: Objective-C, Xcode, Interface Builder, MacOS X

Designed, wrote and implemented a program to monitor production and distribution of products and to generate invoices and accounts. Ease of use and a clear user interface was a major prerequisite. Also designed forms, paperwork and procedures to work with the new system.

Ongoing - support and enhancement of the systems.

April 2009 - November 2010: Findhorn College

Project: Utility programs & technical support

Skills: Objective-C, Xcode, Interface Builder, MacOS X

While providing technical support for the college I wrote several utility programs for them.

December 2008 - January 2009: Findhorn Bay Caravan Park

Project: Holiday caravan park booking and billing system rewrite

Skills: Objective-C, Xcode, Interface Builder, MacOS X

A complete rewrite of the booking system (see March 2002). New features were added and the user interface remodelled to provide an easier and simpler working experience, especially for new and temporary staff. I worked from home and periodically visited the client site.

October 2008 – November 2008: local car sharing groups

Project: *Carshare*, a program to process records and accounts for local car sharing groups.

Skills: Objective-C, Xcode, Interface Builder, MacOS X

After extensive consultation with local car sharing groups I designed and wrote an application to provide management & accounting for their systems. The work was done from home with regular visits to the clients.

2006 - ongoing

Skills: Apple Mac support, training & assistance

Provided support & assistance for private clients in the local area. This included coaching & training, help with set-up and migration, advice on general working & specific tasks, and disaster recovery & rebuilding.

2005 – ongoing

Skills: Objective-C, Xcode, Interface Builder

Converted several projects from C++ to Objective-C as the CodeWarrior development environment was discontinued.

April 2004 – February 2006: Expressive Software Projects Ltd.

Project: Music processing engine

Skills: C++ (cross-platform), MacOS X, Metrowerks Codewarrior, QuickTime

Designed and implemented a cross-platform update of the ESP music processing engine, both as a replacement for existing code and as a basis for future product development. I worked from home, visiting the company site a few times each year.

September 2003: HoCo

Project: Ground rent budgeting module

Skills: C++ , MacOS X, Metrowerks Codewarrior and PowerPlant

Developed a finance program to run alongside the billing system (for New Findhorn Directions, see October 2001) to allow ground rent levels to be projected forward for budgeting purposes.

October 2002 - April 2003

Worked on my MacOS X skills. Took an Internet-based course on MacOS X program development, covering Objective-C programming, theCocoa framework, and Project Builder and InterfaceBuilder usage. I combined this with my own home study using material from Apple Developer Connection.

April 2002 - ongoing

I provide support and enhancements for local companies (Findhorn Bay Caravan Park, New Findhorn Directions, HoCo) both for the systems I have written and for their other Mac applications. This has allowed them to fine-tune their bespoke systems over the years to give a better match to their business and staffing requirements.

March 2002 - August 2002: Findhorn Bay Caravan Park

Project: Holiday caravan park booking and billing system

Skills: C++ , MacOS X, MacOS Classic, Metrowerks Codewarrior and PowerPlant, Resourceror

Designed and implemented a booking system for a local holiday park. For this contract I worked from home, visiting the company site every other day on average.

October 2001 - February 2002: New Findhorn Directions

Project: Energy, utility and other charges billing system

Skills: C++ , MacOS X, MacOS Classic, Metrowerks Codewarrior and PowerPlant, Resourceror

Complete analysis, design and implementation of a billing system for the local community. This was originally for energy supplies only (electricity, LPG, oil, etc.) but was progressively extended to cover water and sewage, ground rent, and local association charges. I worked mainly from home, visiting the company site once a week on average.

March 1998 - August 2001: Softease Ltd.

Project: *Textease*, an educational DTP program

Skills: C (cross-platform OOP) , MacOS X, MacOS Classic, Metrowerks Codewarrior, ResEdit

Porting of the PC/Acorn version of *Textease* to the Mac, then continuing with development of the program for all platforms. Also writing the Mac installer and training a PC programmer to take over the Mac coding. For this contract I worked from home, using an ISDN dial-up link from my home machine to the company's Windows NT server.

June 1994 - February 1998: Insignia Solutions Plc.

Project: *SoftWindows*, a cross-platform PC emulation application for Macs and UNIX

Skills: C, C++ , MacOS Classic, Metrowerks Codewarrior, MPW, Visual C++

Development programming, primarily for the Mac version of *SoftWindows*. I also designed and coded the user interface for *RealPC*, a home user version of the program, and was part of the coding standards group.

October 1992 - November 1993: Metropolitan Police

Provided both telephone and on-site support for Mac users within the Met. in SW London (this was in addition to my mainframe work there). Main tasks were system set-ups, OS and application upgrading, and troubleshooting.

Mainframe programming

I worked as a contract Analyst/Programmer on ICL mainframe computers from 1984 to 1994, previous to this I was a COBOL programmer for five years at Berkshire County Council. While contracting I worked for the following companies:

Metropolitan Police October 1992 - November 1993

Northern Telecom Europe March 1992 - October 1992

Logica June 1990 - January 1992

National Grid Plc. November 1989 - May 1990

Logica April 1989 - September 1989

Hammersmith & Fulham Borough Council October 1988 - March 1989

Young & Co. June 1988 - October 1988

South West Thames Regional Health Authority April 1987 - June 1988

Marks & Spencer February 1987 - March 1987

Morgan Grenfell & Co. November 1985 - January 1987

Hammersmith & Fulham Borough Council August 1985 - November 1985

British Telecom (Yellow Pages) January 1985 - July 1985

ICL March 1984 - December 1984

Outside Interests

I have been a circle (folk) dance teacher since 1985, leading workshops both in the U.K. and abroad (Europe, USA, Bahamas, Australia, South America). As a result of this I am comfortable in leading groups and dealing with group dynamics, which has proved useful in my work environment.

I am a keen amateur musician and perform regularly with Gadjje Dilo, a group who play Balkan folk music for dance events. My main instruments are guitar (both acoustic and electric), bass guitar and Macedonian & Bulgarian tamburas.