

Paul Piko

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PROFESSIONAL PROFILE

My career in computing started with Shell Australia in 1984, and by 1990 I was working as a Systems Analyst. I left to consult through my company, Piko Computing Consultants, working on many projects for government and financial institutions. I am usually involved in the analysis, design, programming and implementation of projects. Since 2008 most of my time has been spent with the charity Plan International Australia. I have also been part of the development of a programming language for Microsoft .NET Framework. Additionally I have participated in user groups and spoken at numerous conferences in Australia, USA, UK and Europe.

PROFESSIONAL EXPERIENCE

Various Clients

Ongoing, ad-hoc

- I frequently assist other software developers who have created solutions for various markets, helping them to take advantage of newer technology. In the past years I have worked with Options Software, iSoft Design and AMPL Software. As an example, I developed a web service and an Android client prototype as a companion to AMPL's workshop management package.

Deakin University

2015-2016

- Build and implement customisations of Blackbaud CRM
- Develop database scripts to update data held by Blackbaud CRM

Plan International Australia

2016

- Develop a Grant/Funding Opportunity data collection system, including mobile-responsive front-end.
- Build and configure a local Blackbaud CRM development environment

2015

- Assist with software updates to Child Data software due to changes in services provided by head office in the UK

2008-2014

- May-July 2008: Acting Database Administrator/Application Support. Support and document existing sponsorship application. Assess and report on migration options.
- September-October 2008: Analyse the Plansys database (Advantage database server, xBase++), then design and build an accurate reporting application for performance analysis
- December 2009 onwards: Part time acting Database Administrator/Data Validation specialist. Played a key role in the preparation and migration of existing data to Blackbaud CRM (BBCRM), and the validation of migrated data. Assisted with implementation of BBCRM, developed queries, data lists and exports for business use. Received BBCRM SDK training. Primary designer and developer of

web services and back-end systems to exchange information with BBCRM, using MS SQL Server 2008R2.

Plan International Hong Kong

2015

- Assist with migration of their installation of Child Data software to a newer operating system
- Assist with software updates to Child Data software due to changes in services provided by head office in the UK

Grafx Software Development, USA

2002-2012

- Part of the development teams of Visual Objects (xBASE for 32-bit Windows) and Vulcan.NET (xBASE for .NET Framework, released 2007) programming languages
- Worked on Visual Objects source code, primarily GUI Classes and Windows API.
- Contributed to the releases of VO 2.6, 2.7, 2.8 and subsequent updates.
- Worked on the Vulcan.NET runtime classes/functions, and VO compatibility.
- Involved with technical marketing; administrator of the official Vulcan.NET web site (<http://www.govulcan.net>) and development of educational material.

Department of Agriculture/Natural Resources & Environment/Primary Industries & Animal Health Australia

1994-2009

- Analysis, design and programming of major systems for Animal Health Operations branch: Property (Tailtag) Register, Johnes Disease Management System, various Registers (e.g. apiary register). Interfaces with external systems such as online vendors and Land Victoria. Over the years updated versions were created using newer tools and using the requested database back-end. Languages used included Clipper, Visual Objects, VB.NET. Databases used included Btrieve, Sybase SQL Anywhere, Sybase Adaptive Server Enterprise, MS SQL Server.
- In 2007, redevelopment of Property Register in VB.NET, accessing data in MS SQL Server.
- Animal Exotic Disease Outbreak Management System originally written by me using Clipper in 1994, migrated to Windows using Visual Objects. Converted to use MS SQL Server instead of DBF files in 2007/2008. Funded by DPI and AHA.
- In 2008, developed a Windows Mobile PDA application collecting survey data with upload to SharePoint
- In 2008, developed a VB.NET intranet application to record disease events with MS SQL Server as the database.

Shell Refinery Geelong

2003-2007

- General analysis, design and programming, as required. Systems written in ASP: Environment Improvement Plan, Operator Maintenance Log, Major Event Calendar, Tradesman Call In System. Enhancements to Incidents and Actions database system.

Norwich Financial Planning Services

1996-2000

- Programming of "Visual Office" for financial planners. Written in Visual Objects.

Australian Wheat Board

1994-1995

- Programming enhancements to Interim Stock System. Written in Clipper.

National Mutual Funds Management

1993-1994

- Analysis, design and programming of Funds Management system (trading, securities, journals, brokerage, etc.). Written in Clipper for NMFM Hong Kong. I travelled to Hong Kong for installation and training of staff.

Shell Australia (consultant)

1992-1996

- General analysis, design and programming. Various applications written in Clipper/Access.

Novartis/Mental Health Research Institute

1992-2001

- Analysis, design and programming. Major system using data collected from hospitals around Australia, monitoring psychiatric patient drug response. Written in Clipper.

Credit Suisse Bullion Pacific

1990-1992

- Analysis, design and programming of dealing room support systems. Written in Clipper.

Footscray Institute of Technology

1990

- Analysis of issues relating to existing research abstract database and implementing a solution, using Clipper.

Shell Australia (employee)

1984-1990

- IT Systems Analyst. Mainframe programming using PL/1, IDEAL and DATACOM

CONFERENCE SPEAKING

I have been a speaker at software conferences covering various topics over the years including Clipper, Visual Objects, Vulcan.NET, Microsoft .NET Framework, MS SQL Server, Jasmine object database, Windows application development, MS Office integration, web development, and object-orientation. My 2013 sessions covered Windows 8 app development. My 2014 sessions introduced Microsoft Azure to software developers. In 2015, my planned topic covers Windows 10-Universal Windows Platform.

Computer Associates TechniCon, Australia, May 1993	Computer Associates TechniCon, USA, August 1993
Computer Associates TechniCon, Australia, November 1994	Computer Associates TechniCon, USA, July 1995
Computer Associates TechniCon, Australia, November 1995	Computer Associates TechniCon, USA, August 1996
Computer Associates TechniCon, Australia, November 1996	Computer Associates TechniCon, USA, July 1997
Computer Associates TechniCon, Australia, November 1997	Computer Associates TechniCon, USA, April 1998
VOICE, United Kingdom, February 1999	SDGN Conference to the Point, Netherlands, April 1999
Computer Associates TechniCon, USA, July 1999	SDGN Conference to the Max, Netherlands, May 2000
DevCon Australia, Australia, May 2000	DevCon Europe, Germany, November 2000
DevCon Australia, Australia, September 2001	DevCon Europe, Germany, October 2001
DevCon Europe, Germany, November 2002	DevCon Australia, Australia, April 2003
DevCon Europe, Germany, October 2003	DevFest, United Kingdom, February 2004
DevCon USA, July 2004	DevFest, United Kingdom, March 2005
VODC Conference, Germany, November 2005	DevFest, United Kingdom, March 2006
VODC Conference, Germany, November 2006	DevFest, United Kingdom, March 2007
VODC Conference, Germany, November 2007	DevFest, United Kingdom, March 2008
VODC Conference, Germany, November 2008	DevShare, United Kingdom, May 2010
VODC Conference, Germany, November 2010	VODC Conference, Germany, November 2011
DevShare, United Kingdom, May 2012	DevShare, United Kingdom, October 2013
DevShare, United Kingdom, September 2014	DevShare, United Kingdom, September 2015

ASSOCIATED EXPERIENCE

Co-author of Sirius Press software: CLASSic nuVO (a class library for Visual Objects), DOCBASE! (application documentation tool), SP-Utilities for VO

Contributor to Sirius Press's Visual Objects 2 Encyclopedia

Contributor to software magazines: VO:Journal(), SDGN magazine

Co-author of training materials on Jasmine (object database from Computer Associates) - VO-Jasmine ActiveX Application Development

Author of VO Productivity Pack, a popular set of programmer tools for Visual Objects

President of the Clipper User Group (Melbourne) 1990-1992

Contributor to the Clipper books "Selected Clippings" and "Selected Clippings++", published by CUG(M)

Author of the book "Vulcan.NET At Warp Speed", published by Grafx Software for their programming language Vulcan.NET

Author of Facelift Professional, a tool for Visual Objects programmers to help them migrate to .NET Windows Forms and Windows Presentation Foundation.

OTHER EXPERIENCE

2011-2013: Australasian Native Orchid Society (Victoria) committee member

2012-2014: Australasian Native Orchid Society (Victoria) Terrestrial Study Group Coordinator

I regularly lead and participate in ANOS(Victoria) field trips and conservation activities.

I look after ANOS(Victoria)'s social media – Twitter (<https://twitter.com/anosvictoria>) and Facebook (<https://www.facebook.com/ANOSVic>)

I have also given presentations on two of my hobbies – photography/videography and the conservation of native orchids:

2013: Australasian Native Orchid Society (Victoria)

2013: Australasian Native Orchid Society (Geelong)

2013: Field Naturalists Club of Victoria – Botany Group

2014: Australian Plant Society, Mitchell

2016: Australian Plant Society, Mitchell

Photos: <http://www.piko.com.au/photography>

Video: <http://www.youtube.com/watch?v=IXpnLhbAdEo>

EDUCATION

University of Melbourne, Bachelor of Science, 1984

REFERENCES

References are available on request.