

Michael Phillips - Résumé

March 2023

Personal Details

Michael Phillips
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Australia

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Education

1984-1987

Canberra College of Advanced Education (now the University of Canberra)
Bachelor of Arts in Computing Studies degree

I also studied the Computer Architecture, Computer Audit, Cryptology & Computability, Data Communications, Expert Systems, Languages & Compilers, and Machine Intelligence electives as part of my degree.

I have completed the Microsoft Course 4994 - "Introduction to Programming Microsoft .NET Framework Applications with Visual Studio 2005".

Skills

People / Customer Skills

- Internal and external consulting
- Technical support
- Customer service
- Mentoring, tutoring and presenting/training junior staff

Technical skills

- expert in Pascal, 80XXX Assembler
- competent in C, C++, C#, BASIC
- extensive experience with VAX and PC computers and software
- extensive experience in networks, TCP/IP
- extensive experience in hardware device communications (cash registers, modems, PDE units)
- experienced in hardware / software / network troubleshooting
- experienced in providing technical support
- worked with and developed for multi-user, multi-tasking environments
- experienced in writing / proofreading technical documentation

Programming Languages

Used on a regular basis:

- Pascal - Delphi - Visual C# - C - Assembler 80XXX

Also used on various occasions:

- Fortran - Basic - Assembler 6502

Employment History

2012 – 2020

SIMPLE RETAIL

Programmer

- My work has been in the HealthCare software area. Currently I am working on converting Delphi 6 applications to Delphi XE 10.2.

2010 – 2011

Relocated to Central Coast from ACT

2009 – 2010

SELF EMPLOYED

Various Consulting Assignments

1993 - 2009

CHEMDATA / AMFAC / DYNOSOL / COSMOS / CORUM (ACT)

Consultant Programmer / Technical & Network Support / System Administrator

- Since late 1992 my main employment has been doing consulting work specialising mainly in modem communications, playing with networks, writing code to interface to hardware (POS registers, handheld PDE units) & operating systems, and trouble-shooting.
- Most of my work has been in the area of software for the HealthCare area. Over the years I have worked for Chemdata, Amfac, Faulding, Mayne, Dynsol, Cosmos and Corum.
- I helped write a user interface in C so that FDAPX (FrontDoor APX) can be easily used by pharmacies to contact a bulletin board system called HealthNet to collect daily price updates, program updates, and transfer mail. Also wrote numerous utilities to help with the maintenance at the BBS end.
- I have modified some dispensary software (Borland Pascal v7.0) to use a new data source. It was changed to use Paradox database files based upon Micromedex drug information.
- I have written software for Windows 95/NT (using Delphi 3) to display / print Consumer Medicine Information that can be given to the patient by the doctor.
- Spent time implementing backup strategies and providing assistance for various hardware and software problems.
- Wrote software to extract data from various Portable Data Entry (PDE) units.
- Wrote a windows version of some of my modem programs. The programs are used in warehouses to receive orders and send invoices electronically.
- Wrote a windows DLL to perform drug-drug interaction checking to be used in pharmacy software. Later modified to perform drug-allergy, drug-disease interactions.
- Wrote various C# programs to convert price update data into a single XML format for subsequent importing into an SQL database. The source data comes from numerous outlets which seem unable to provide data in a specific format. Also wrote a program that extracts the SQL data into text file formats which existing software can use.
- I wrote specifications for new server equipment and installed the hardware, operating systems and necessary software for the office. Some of the software for Windows desktops and servers, included FTP servers and clients, VNC (remote control software), various databases (Paradox, Interbase, Firebird, MS SQL 2005). I also wrote various programs to customise the administration of the systems.

July 1998 - Dec 1998

INTERACT TECHNOLOGY GROUP (ACT)

Field Technician

- InterAct is an ISP for end users and commercial businesses.
- I would provide onsite technical support and problem solving for the business customers' networks and internet connectivity.

- This routinely involved troubleshooting their network configuration and their backup strategies.

July 1988 - Sept 1992

CHEMDATA (ACT)

Programmer

- Chemdata produces specialised software for pharmacies and front-of-shop.
- I started out using UCSD p-System Pascal for various projects then began to specialise in communications with cash registers. I later worked on many programs that communicated with the pharmacy's wholesaler to place electronic orders and collect invoices via modem.
- Next I worked on device drivers in UCSD 8088 assembler for a multi-tasking version of the UCSD p-System and performed a fair amount of troubleshooting of software and hardware problems, as well as providing technical support for other staff.
- I also played a fair bit with low-level calls to an operating system called "System Manager" which is distributed by a company called Datapac in Sydney. System Manager is based upon DR Multi-User DOS.
- Besides programming, I spent time providing tech support to the helpdesk for the various programs I worked on.
- I developed and taught a beginners training course on DOS and other multi-tasking operating systems for the new helpdesk staff.

July 1987 - June 1988

CSIRO - Division of Wildlife and Rangelands (ACT)

Systems Manager

While completing my final semester of study at the CCAE I was employed to install and run a MicroVAX computer network at the CSIRO Division of Wildlife and Rangelands site in Gungahlin. This involved all sorts of tasks such as evaluating tender documents, installation of hardware and software, the laying of cable for terminals, the laying of fibre optic cabling between buildings, modifying software to work with new hardware, as well as showing the scientists and staff how to use the computer system for their tasks and performing troubleshooting.

March 1986 - June 1989

CCAIE - Canberra College of Advanced Education (ACT)

Class Tutor

While studying for my **Bachelor of Arts in Computing Studies** I began tutoring classes of 10-16 students in Programming Systems 1, Computer Organisation 1, Computers & Computing, and Basic Information Systems. I found that I quite enjoyed running these tutorials and continued to teach after completing my degree in 1987.

Dec 1986 - Jan 1987

DEPT OF TRANSPORT - Dept of Transport, Bureau of Transport Economics (ACT)

Programmer

During the summer break from studying at the CCAE I was writing software in FORTRAN and COBOL. I was working on software to assist in deciding when and to what level road surfaces should be upgraded.

July 1986 - Nov 1986

CCAIE - Canberra College of Advanced Education (ACT)

Duty Programmer

During this period I was one of the Duty Programmers at the CCAE. This involved helping the students solve any problems they had using the computer systems, or programs they were writing on the computer systems.

Dec 1985 - Jan 1986

CSIRO - Division of Water and Land Resources (ACT)

Programmer

During the summer break from studying at the CCAE I was writing software in FORTRAN on a VAX/VMS system. I was working on a hybrid data-base/expert system for local government planning applications called ADAPT (A Decision Aid Planning Tool).

SOCIAL GROUPS

1988 – Dec 1999

PC USERS GROUP (ACT)

Dec 1992 - Dec 1999

Bulletin Board Assistant Sysop / Sysop

The PC Users Group provides its members with access to a 5 line Bulletin Board System. I've written numerous programs to automate the day-to-day running of the BBS.

The BBS consists of a Novell server with 7 workstations each with a 33.6K modem.

I have also spent several years serving as a committee member for the PC Users Group (ACT).

1989 - 1996

Secretary / Committee Member

1988-1990

Training Officer

As the training officer for the PCUG I initially created the outline for some introductory computer courses and taught them.

Later I recruited other people to help design and teach other computer related courses.