

Personal Résumé
for
PETER BAUM

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SUMMARY

I have over twenty five years of solid computer programming, operations, and management experience. The programming experience is composed mostly of intricate systems and device-driver level coding, including host and terminal interfacing. I am competent in C++, C, Assembler, and Fortran languages on both mainframe and PC platforms. I am experienced in designing, coding, debugging, installing and maintaining elaborate software applications, and troubleshooting and helping to fix hardware and communications problems. I am also proud of my management, marketing and people skills and work well with technicians as well as executive management.

EXPERTISE

- **Management / Project Management**
- **Team Leading**
- **VC++, eMbedded VC++, MFC, WIN32**
- **DirectX, Graphics, Animation and Multimedia**
- **On-Line, Real-Time, Transaction Processing**
- **TCP/IP and Sockets**
- **Database**

EXPERIENCE

Rocktree Pty. Ltd.

Director / Prime Contractor, August 1997 to Present

Rocktree was formed to offer consulting and contracting services to the Gaming and other industries with a primary interest in Multimedia and Graphical Display Systems.

Products:

Rocktree owns intellectual property in the form of software that runs on the Win32 platform and receives data from a central system in real time and converts this information into high quality graphics and representing the numbers drawn for Keno, Bingo and other numbers based games.

This software has been created using Microsoft Visual C++, MFC and DirectX. It will support multiple monitors from the one unit, each acting independently and capable of displaying different images. It is also possible to down line load new images and configuration information.

The Video Sub System has been licensed to Tabcorp (formally Jupiter's Limited, formally AWA) the operators of Club Keno in NSW. It has been installed in over One Thousand clubs in New South Wales. The product is being used to display the results of their various products (Keno, "Heads or Tails?" and Keno Racing), each on their own channel. An additional channel is being used for advertising and promotional purposes.

This product has also been licensed to the Unitab (250+ venues), South Australian Lotteries (550+ venues), South Australian TAB (80+ venues) and ACTTAB (50+ venues) to display Keno results using such themes as a Cage, Australian Rules, Rugby League, Cricket, Soccer, Golf, Christmas, New Year, Easter and several other themes. There are now over twenty themes available to be displayed. The sequence, cycle and frequency of these themes can all be controlled from the central site. This product has been in operation for over ten years without incident.

RECENT CONTRACTS

OneRecovery Inc, USA

Software Validation, November 2008 to January 2009

Rocktree was contracted validate the outputs of a large overseas outsourcing company engaged to develop a new social networking website. The result of this review proved enlightening and allowed the client to address the issues with the outsourcing company to obtain a better overall product.

Unitab Limited

Supplier, June 2006 to Present

Rocktree was contracted to supply its Video Sub System to Unitab Limited to display the results of the Jupiter's Keno game in its TAB outlets and provided a back end Administration for the monitoring and control of units in the field.

South Australian Lotteries

Supplier, June 2003 to Present

Rocktree was contracted to supply its Video Sub System to South Australian Lotteries (SAL) to display the results of its Keno game in its retail network. This replaced a Gtech supplied

Gstation system. More recently Rocktree has supplied an Administration program that allows messages to be sent to its VSS units to control the display of images from predefined image libraries, free format text messages and the scheduling of themes at each of the remote units.

Company: Pharmacial Company

Contractor, December 2005 to August 2006

Rocktree was contracted to provide analysis, design, programming and technology skills, to develop a prototype to enable web based viewing, communication, tracking and alerts between Doctors, Pharmacies and Aged Care facilities to eliminate the many phone calls that occur between these parties.

Skills: Mantis, PHP, MySQL, C++, Sockets.

Company: Undisclosed

Contractor, September 2005 to October 2005

I was contracted by a local company to help design and adapt an existing on-line, real-time transaction processing system written in Java to provide SMS alerts. Due to the requirements of a non disclosure I cannot say more than this.

Skills: Design, Java, Linux

Company: Department of Defence – Parachute Jump School

I designed, developed, delivered and documented the desktop back end and hand held software that would enrol, track and assess trainees as they attended the Parachute Jump School in Nowra, NSW.

Skills: JavaScript, Protara, WindowsCE

Company: Department of Defence – Civil Accreditation

I designed, developed, installed, documented and maintained a system which allowed civilian equivalent qualifications to be issued to defence personnel for training performed while in the service. Given the locked down nature (SOE) of the defence desktops, a custom application was not an option. The solution was an Access Database which tracked the work flow with the final output being a merge with Microsoft Word to produce the certificate, letter and mailing labels.

Skills: VBA, Access, Word, Office Automation

Company: Department of Defence – Overseas Training and Education

I designed, developed, installed, documented and maintained a system which nominated and tracked Australian defence personal while on training overseas. A client, server model was chosen with a centralised database and filtered views for the multiple users.

Skills: JavaScript, Protara, Client / Server

Company: Elders

I designed, developed, delivered, documented and maintained a system which enabled remote users to broker deals between buyers and sellers at sale yards and transmit that information in real time back to head office. This consisted of a back end server which interfaced to existing

systems via IBM WebSphere MQ and handheld software which ran on Compaq iPaq units and the then new GPRS network.

Skills: C++, WindowsCE, GPRS, Sockets

Company: Air Liquide

I designed, developed, delivered, documented and maintained a system which allowed truck drivers to receive consignments and to track the delivery of gas cylinders to various customers. Interface to the existing system was by specially constructed SQL tables with the hand held software running on Symbol devices.

Skills: C++, WindowsCE, MSSQL

Company: Purpose Built Software

I was a member of the team that produced the Captra product. This software enabled a user to perform all functions of the Quickbooks accounting package on a hand held device and then sync and update the desktop.

Skills: C++, WindowsCE, Quickbooks

Samsung SDS, Seoul Korea

Consultant, August 2000 to October 2000

I was contracted by Samsung SDS to provide consulting services to the Korean Racing Association (KRA) in Seoul, Korea. My role was primarily to review and validate the design of a new UNIX Totalizator system being developed.

Skills: Design Review, Analysis, Report Writing, 'C', UNIX

Manboom Pty. Ltd.

Contractor, April 2000 to June 2000

I was contracted by Manboom Pty. Ltd. to produce a new interface to the Standard and Poor's ComStock data feed for the display of ASX Information on plasma screens in Sydney's International Airport.

This interface was created in C++ for Windows NT and used a Socket connection across the Internet to communicate with a device in New York to obtain the stock information.

Skills: C++, Windows NT, Sockets, ODBC

Tabcorp Limited (formally Jupiter's / AWA)

Supplier, July 1999 to March 2000

Rocktree was contracted to supply its Video Sub System to Jupiter's Limited (formally AWA) for use in registered clubs in N.S.W. The existing system was modified with new functionality such as full multi monitor support, channel control and down line load.

Rocktree also supplied the initial suite of animations, which included Cage, Grid, Christmas, Cricket, Golf, Fishing, Lawn Bowls, Boxing, Two Up and Keno Racing. Via technology transfers, Jupiter's have been made self-sufficient and now produce their own animations and maintain the source code.

Skills: C++, Win32, Serial Comms, Graphics, Animation, Mentoring, Training, Documenting

First Data Resources

Consultant, April 1999 to June 1999

I worked with First Data Resources, analysing their current reporting needs and specifying a replacement program to satisfy their clients and their own, existing and future needs. The resulting solution was a text compression, search and retrieval product called Alchemy from Information Management Research (IMR), USA. This tool may be used to create small databases suitable for placing on CD-ROM's or accessing via a Web Interface.

Skills: Analysis, Interviewing, Report Writing

Star City Casino

Contractor, February 1999 to March 1999

I was commissioned to develop an interface for the Star City Casino that allowed specific display devices to updated in real time. This was developed in C++ using sockets on the Windows platform and allowed different messages to be displayed based upon different events.

Skills: C++, Win32, Sockets, Serial Communications

AWA Gaming and Wagering

Project Manager, May 1998 to December 1998

I was responsible for project management of AWA's USA distributor, American Wagering Inc. and helping them establish a linked game of Keno in the state of Nevada. This included not only project management but also the development of a protocol converter that will allow many different manufacturers LED boards and Jackpot meters to interface with the Keno system.

I also developed Windows programs that would communicate with the Keno UNIX host system, and automatically, retrieve nominated files and then process them and convert the data into various database tables for later reporting.

Skills: C++, Win32, Sockets, FTP, Serial Communications, ODBC, MS Access.

AWA Gaming and Wagering

Contractor, November 1997 to April 1998

I provided technical support in a project evaluating the Internet offerings from various companies and how AWA Gaming and Wagering could apply them for the Club Industry of NSW. I was responsible for all host development and programs in the creation of a demonstrable prototype for taking Keno to the Internet. This included player accounting, results display, historical searches and actual betting via a gateway using Sockets into the existing UNIX Keno system. The technology selected was Windows NT and MSSQL.

Skills: C++, Windows NT, Sockets, MSSQL, IIS, Web Programming, UNIX

AWA Gaming and Wagering

Consultant, August 1997 to October 1997

I was contracted by AWA Gaming and Wagering to specify a replacement Video Sub System used to display the results of each Club Keno draw in over 1,000 clubs throughout New South Wales.

This involved research into emerging technologies in areas such as operating systems, compilers, toolkits and Multimedia applications.

Skills: Research, analysis, specification and report writing.

PREVIOUS EXPERIENCE

Datatrack Solutions / Purpose Built Software.

Senior Software Engineer, September 2001 to June 2005

Eurofield Information Systems

Manager Development & Technology, January 1997 to August 1997

AWA Gaming and Wagering

General Manager - Technical, March 1996 to January 1997

AWA Gaming and Wagering

Technical Support Manager, October 1993 to March 1996

AWA Club Gaming Systems

Software Manager, June 1991 to October 1993

EFTEL Development Corporation

Contract Systems Programmer (USA), October 1990 to May 1991

Structured Data Systems

Software Engineer, April 1990 to October 1990

EFTEL Development Corporation

Software Engineer, March 1985 to April 1990

Totalizator Agency Board

Analyst Programmer, December 1979 to March 1985

EDUCATION

Bachelor of Applied Science (Computing) 3 years part-time study completed.
Chisholm Institute of Technology.

Certificate of Electronic Data Processing.
Chisholm Institute of Technology.

One Week Tuxedo training course, Sydney, Australia.

Windows XP Embedded Training, DSTA, Sydney, Australia

INTERESTS

TaeKwonDo, 2nd Degree Black Belt with various Australian and State titles.

Koi (Japanese carp) keeping.

Charter member of the Rotaract (Young Rotary) Club of North Sydney.

Internet, Multimedia and graphical display systems.

Embedded systems and hardware / software interaction

SKILLS MATRIX

Skill	Years Used	Last Used	Rating (1-10)
Programming Languages			
C / C++	13	2009	9
VC++ / MFC	7	2009	9
JavaScript	2	2007	8
Java	0.25	2005	7
Borland C++ / OWL	6	1997	8
Visual Basic	0.5	1995	7
Visual Basic for Applications	3	2007	7
SQL	2	2008	7
Fortran	8	1998	9
Assembler	6	1991	9
PHP	1	2008	7
Operating Systems			
Microsoft Windows (3.1,95,98,NT, XP, Vista)	13	2009	9
Linux / UNIX	2	2000	6
Concurrent OS/32	9	1996	9
Web Software			
IIS	1	1998	7
Front Page, HTML	2	2003	8
Open source products such as Mantis & Drupal	1	2008	7
Database			
SQL Server	2	2002	7
SQL Lite	2	2008	7
Access	1	2007	8
Other Skills			
Project Management / Management	8	2008	9
Team Leading	8	1998	9
On-Line, Real-Time, Transaction Processing	25	2007	9
Graphics, Animation, Multimedia	8	2008	8
OO Design	8	2008	9
DirectX	7	2008	8
Sockets	5	2008	9
ODBC	1	2004	8
Serial Communications	10	2007	9