

JAMES LEES VODANOVICH B.App.Sc(physics)

Date of Birth	06-Jan-1967
Place of Birth	Wellington New Zealand
Citizenship	New Zealand
Phone	0410934993
E-mail	james@jvodan.com

Visa's

Australian Visa

Permanent Australian Residence

Employment History

July 2006

Company Private
Position PHP Developer

Duties

Develop and program custom database driven web site with shopping cart for on line herbal medicine site www.jamumagic.com .

May 2005 -July 2006

Company Eagle Datamation International
Position Network Administrator
Contact Reg Kennedy

Duties

Network and System Administration of mission critical production and corporate servers running Microsoft Windows Server 2003, Exchange, SQL Server (2000 and 2005), IIS, ISA and Mail Daemon, as well as a range of proprietary internal systems that handled the flow New Zealand and Australian Customs messages. The production systems handled several million customs messages a month. Before the Australian Customs Messaging Re engineering in late 2005, 60% of freight in Australia and New Zealand relied on EDI's systems for the delivery of Customs messages. I installed a Unix bastion mail system using Sendmail, Spam Assassin and Clamav, during the CMR change over the system handled 200,000 messages a day without degradation of mail delivery performance.

April 2005

Company X I T
Position Contract Developer (c)
Contact Paul Cascun

Duties

Develop Data Collation System and Reporting Tool in C to collect and collate data in real time produced by Streets ice cream Palletiser Robot at their factory in Minto. A separate reporting tool was written to facilitate shift production reporting.

January 2005

Company Ageless Business Solutions
Position Internet Services Engineer (Contract)
Contact George Fainerman

Duties

Upgrade of their Internet Servers to NetBSD 2.0, Installation of Spamassasin and Clam anti virus on their mail servers, using Sendmail and Amavis. Installation of System monitoring and reporting software (Argus).

June - December 2005

Company Rack Technologies P/L
Position Active Products Manager
Contact Paul Clements

Duties

The primary focus of my position was the promotion and Pre Sales Support of an Integrated Internet Security Appliance (www.redblack.com.au). I wrote marketing copy and directed their in house graphic designer to produce a 4 page colour brochure. I also wrote copy for other marketing literature. Promotion of the product involved meeting with Rack Technologies distributor's product managers and giving seminars to the distributor's staff. By the end of Rack Technologies trail period for marketing this product, it was apparent that none of Rack Technologies distributors where interested in carrying the product, in part due to the high price and in part due to the importance of end user Brand awareness with security products. As I received more interest about Rack Monitoring and Rack Security products, in my own time I developed software in Java to provide an interactive front end to a general purpose network enabled I/O device, for which I wrote the back end in a BASIC variant. The front end retrieved the data from the device as XML. The interface and the device were defined using XML providing a flexible software platform which was independent of the actual specifics of the device used. When I presented this product to Rack Technologies they decided against continuing development of it as it was outside their core business.

March 2004

Company XIT
Position Consultant (c)
Contact Paul Cascun

Duties

Developing a system to secure intellectual property on an LINUX based product in C.

January 2003 -April 2005

Company Australian Quality Sheep Skins
Position Developer,
Contact Private contract. (php mysql)

Duties

Designed and developed an Intranet based ERM system to manage stock control and accounts, from purchase through to sales, providing shipment tracking for exported containers, with facilities for overseas purchasers to view the status of their shipment. The system was written in PHP with MYSQL as the Database back end.

November 2003 – January 2004

Company XIT
Position Trainer
Contact Paul Cascun

Duties

2 to 3 hrs a week teaching an employee TCP/IP networking including how to configure a Cisco 800.

September 2003 – June 2005

Company Ageless Business Solutions
Position Internet Services Engineer (Contract)
Contact George Fainerman

Duties

Short term contract to Ageless Business Solutions. I have been contracted to upgrade their servers (HW & SW), produce client services management scripts in PHP and upgrade their Internet connection. The servers run NetBSD providing domain name, mail and web services for 40 domains.

November 2001 – August 2004

Company VHPC
Position Java Application Developer
Contact James Vodanovich

Duties

Design and development of Energy Designer, a fully featured Graphical Computer Aided Design package for alternative energy systems developed in Java. See <http://jvodan.com/EnergyDesigner/> for further details.

December 1999 – March 2001

Company XIT
Position Consultant
Contact Paul Cascun

Duties

I was employed on a casual basis as a consultant providing support and consultation for XIT and their clients. I also did some Java development work.

December 2000 – January 2001

Company Sysmark
Position Contract Programmer (c java)
Contact Tom Bassett.

Duties

I developed a Network management system that managed, user accounts, mail accounts, mail aliases, and samba apple share volumes, on a linux server. The system consisted of two parts. A server application written in C to provide an interface via an TCP/IP socket to manage the configuration of the users, groups, mail aliases and the samba configuration file. A Graphical client written in Java (JDK 1.1.8) that connected to the server to display and modify users, groups, aliases, samba access and volumes.

Some of the dialogs where sub contracted to an associate.

October 2000 – Feb 2001

Company Redfern Broadband Networks
Position Contract Programmer P/T (c++)
Location Australian Technology Park Sydney
Contact Francis Lee, Software Team Leader

Duties

Implementing further specification requirements for a graphic user interface, I wrote for RBN's optical multiplexer for enterprise networks. The interface allows complete control and monitoring of the device. The software was written in C++ on a LINUX platform, using microwindows for the graphic primitives.

September 2000 - November 2000

Company Physics Department University of Technology
Position Tutor
Location Broadway Campus Sydney
Contacts Dr M. Braun and Dr Walter Kalcheff.

Duties

Assisting 'Computational Maths and Physics' students with their Java, during their practical sessions on Sun Sparcs.

March 2000 - October 2000

Company Sysmark
Position Chief Technical Officer
Location Australian Technology Park Sydney
Contact Tom Bassett, Managing Director

Duties

Development and management on an ISP infrastructure, planning and implementing upgrades. Development of software for web sites. Continuation of the Redfern Broadband Networks Contract, that Sysmark held.

Reason for Leaving Company dropped all ISP and hosting services. The company closed all operations 3 months latter.

December 1999 - February 2000

Company Redfern Broadband Networks
Position Contract Programmer (c++)
Location Australia Technology Park Sydney
Contact Ross Halgren, Project Head

Duties

Development of a graphical user interface, to control and monitor an 8 channel optical multiplexer for enterprise class networks. The software ran on a single board computer running LINUX, the software was written in C++. A mock up produced first as an applet in Java. The product was presented at OFT Conference in the USA in March 2000.

September 1999 - November 1999

Company Oriium Corporation
Position Internet Consultant
Location Sydney
Contact Oscar Berger, Managing Director

Duties

Consulted on their Internet strategies.
Evaluated Internet related business proposals both internal and external.
Pre sales and Sales, to clients needing Internet solutions.
Consulted on the marketing of their Internet division.
Until I left Australia I had a continuing role as a consultant, both internal to Oriium's operation and product development, as well as providing support and consultation for Oriium's clients.

Reason For Leaving I was required to returned to the employ of Arrakis Internet Services, of which I was a part owner at the time, as a condition of its sale, to Sysmark.

July 1999 - November 1999

Company Applied Physics Department, of University of Technology Sydney
Position Lab Demonstrator
Location Sydney
Contact Sue Hogg, Department of Applied Physics, UTS, Sydney.

Duties

Providing assistance for Physical Modeling 1, student laboratory exercises. I was required to provide assistance to the students, for both the theoretical and practical nature of the experiments.

July 1999 - August 1999

Company Ageless Business Solutions
Position Internet Consultant
Location Sydney
Contact Laszlo Vigh-Herman

Duties

Installation a Web services platform to allow them to sell web hosting and mail services to their clients. The installation consisted of NetBSD servers running sendmail, Bind(DNS) apache and associated software. I also wrote administration scripts for them and configured their cisco router.

January 1994 – April 1999

Company	Arrakis Internet Services
Position	Director
Location	Sydney
Contact	Bradley Hughes

Duties

Founding director of Arrakis Internet Services. Solely responsible for all technical matters, for setting up and maintaining all equipment and services required for WWW hosting, and for provision of dial up services.

Authored all of the CGI's required to support dial up administration and the sites hosted. The system ran on NetBSD. Software was developed for Solaris, BSDI, and Linux as required for externally hosted sites.

Some examples of the software written are:

1Web based SQL Database systems:

Intranet Company Accounting System

Contact Tracking

Banner System.

Generic Threaded Discussion System.

Generic Shopping Cart System.

Time Accounting System for dial-in users, linked to Intranet accounting system

Bandwidth Billing System for WWW based Customers link to Intranet Accounting System.

WWW site User Management systems

WWW site Catalog Management systems

2World Wide Web Related Software:

Front end to Glimpse search engine.

WWW space http link verification and cataloging software.

Compiled HTML Template System for form handling somewhat akin to JSP but in C. Using a cgi builder the basic HTML and embedded 'CSP' code was generated from a input file which specified the form's fields and what to do with them along with any relevant databases and tables. The html designer would then edit the html sections to their desired format before the page was compiled and place on the webserver where it was invoked as a stand alone cgi. We started development of this pre PHP and continued as it's auto build features meant faster development times.

SNMP based bandwidth usage monitoring (SQL database) software.

June-November 1994 (Part Time)

Company Applied Physics Department, University of Technology Sydney
Title Contract programmer
Location Sydney
Contact Associate Professor John Bell

Duties

Data acquisition software for the ARC funded ERDC Project. The aim of the project was to develop windows that would change transmission properties with the application of electrical signals. I was contracted to develop an automated system to record the spectral and electrical characteristics of experimental prototypes. I designed and built two signal multiplexes and a preamplifier with software selectable ranges. I also developed a hardware interface to allow synchronization of data acquisition software on two computers. In total I wrote 5 programs for the project. 2 in a BASIC variant and 3 in C.

June - November 1990

Company Telesystems
Location Drummoyne, Sydney
Title PC Network Technician

Duties

LAN and WAN installations, Novell and IBM Token Ring

December 1987 - January 1990

Company Clear Group
Location Mascot, Sydney
Title Computer Technician (PC's)

Duties

Initially hired as a trainee PC repair technician. Promoted to site technician after 2 months, followed by promotion to workshop manager and finally to production manager. Following subsequently, part time for 3 months as a workshop repair technician after returning to university.

October 1986 - December 1987

Company Quasar Electronics
Location Seven Hills, Sydney
Title Process Worker, Repair and Testing Technician.

I started out hand soldering components onto boards as a process worker on an electronics assembly line, I was assigned most duties throughout the factory. I spent the last 6 months as a repair technician, fault finding to component level.

December 1985 - February 1986 and again June 1986

Company Duronics
Location Castle Hill
Title Process Worker

I worked on all facets of circuit board manufacturer, as a process worker.

Education

Tertiary

In 2000 I started work on a Masters by Thesis full time at the University of Technology, I dropped the masters 6 months later due to financial reasons. The masters was to produce a program to do deconvolution of powered X-Ray profiles using Maximum Entropy methods. I produced the basic gui for displaying and manipulating profiles and implemented a Levenberg Marquardt curve fitting algorithm before dropping the Masters to seek full time employment.

Supervisor Dr Nick Armstrong Department of Applied Physics, UTS, Sydney.
Nicholas.Armstrong@uts.edu.au

Bachelor of Applied Science (Physics), UTS, Sydney.

Graduated, 1999

Undergraduate Thesis: 'Simulation of Micrographs for Bulk Defects in Silicon Samples, obtained using the Channeling Condition in Scanning Electron Microscopy'

Supervisor Dr G Anstis, Senior Lecturer, Department of Applied Physics, UTS, Sydney.

Secondary

HSC Chevalier College, Bowral, 1984.

Prizes and Scholarships

Summer Vacation Scholarship in Computer Simulation UTS, Sydney. (Dec1992-Feb1993)

A series of programs in were written in C, to investigate the characteristics of the backscatter electron signal in scanning electron microscopy. This was achieved using Monte Carlo techniques. I used these results in my undergraduate thesis to simulate electron microscopy micrographs of defects in Silicon, with good qualitative comparison to actual micrographs.

Contact: Dr G Anstis, Senior Lecturer, Department of Applied Physics, UTS, Sydney.

Apple Interface Design Competition (1994) Member of the winning team in Australia.

Competition sponsored by Apple Computer Inc with the task of designing a human interface device using emerging technology. Our design was a multimedia prototype of a human interface for doctors to fulfill their continuing education requirements via the Internet.

Contact: Sue Hogg, Head of the Department of Applied Physics, UTS, Sydney.

Spoken Languages

English Native

Intermediate Indonesian/Malay.

Software Capabilities

Skill	Proficiency	Years of Exposure
Programming Languages		
C	9	11
Java	7	7
C++	6	3
sh script	7	6
php	8	3
Perl	4	3
Protocols and Standards		
TCP/IP	8	9
HTTP	6	6
JDBC	7	2
SMTP	4	2
SQL	7	6
HTML	4	6
XML	6	3
Operating Systems		
NetBSD	9	8
Linux	7	4
FreeBSD	8	1
OpenBSD	6	1
Irix	5	4
Solaris	4	1
Cisco OS 11	5	5
Microsoft Windows 3.11 -> XP	7	9
Microsoft Windows Server 2003	6	1
MS DOS	9	5
Mac OS	4	5
Mac OS X/10	5	2
Development Enviroments		
IBM Visual Age for Java	8	4
gcc	7	7
Make	7	7
CVS	5	5
Eclipse	6	5

Referee's

Paul Cascun

Phone

E-mail

Managing Director XIT Technology

+61 2 96516622

paulc@xit.com.au

Dr Rohan Williams B.App.Sc.(physics)UTS PHD (biology)UNSW

Associate Research Fellow in Bioinformatics

Department of Medicine

University of NSW

E-Mail

R.Williams@unsw.edu.au