

**JAMES LEES VODANOVICH B.App.Sc(physics)**

Date of Birth	06-Jan-1967
Place of Birth	Wellington New Zealand
Citizenship	New Zealand
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**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](http://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](http://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

<b>Skill</b>	<b>Proficiency</b>	<b>Years of Exposure</b>
<b>Programming Languages</b>		
C	9	11
Java	7	7
C++	6	3
sh script	7	6
php	8	3
Perl	4	3
<b>Protocols and Standards</b>		
TCP/IP	8	9
HTTP	6	6
JDBC	7	2
SMTP	4	2
SQL	7	6
HTML	4	6
XML	6	3
<b>Operating Systems</b>		
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
<b>Development Enviroments</b>		
IBM Visual Age for Java	8	4
gcc	7	7
Make	7	7
CVS	5	5
Eclipse	6	5

## **Referee's**

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