

James Mills

Contact Details

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Education

- Bachelor of Information Technology (2007) - **Griffith University**
- Year 12 Certificate (2001) **Trinity College**

Career Objectives

- 5 years
 - Software/Network Engineer (*Consultant/Manager*)
- 10 years
 - Senior Manager (*Project/IT Manager*)
- 20 years
 - Lecturer/Professor (*Academic Researcher*)

Skill Set

Programming Languages	Environments	Experiences
Assembler (x86, MC6800)	DOS, Windows	SQLite, MySQL, Oracle, ZODB, Buzhug
Pascal, Delphi	Linux, UNIX	CherryPy, Pylons, Django, TurboGears
HTML, CSS, JavaScript	Debian	Smarty, Jinja, Kid, Genshi, Mako
PHP	RedHat	ExtJS, MooTools, MochKit, jQuery
Python	CentOS	JSON, XML, XML-RPC, JSON-RPC
Shell, BASH	Gentoo	MkkroTik Router OS
C, C++, Java	CRUX	RESTful, CRUD
Prolog, Haskell, Ada	Ubuntu	CVS, Subversion, Git, Mercurial, Trac

Employment History

Organization	VoiceValley	Sep 2008 to ...
Position	Freelance Software Project	
This is an ongoing software project involving a Web 2.0 based database application with AJAX user interfaces. This software makes uses of Python at the backend and ExtJS for the user interfaces.		

Organization	Guru	Mar 2008 to ...
Position	Guru contractor in Programming	
Rank:	424	
Rating:	4.5/5	
Earning:	\$1,040.00 (<i>to date</i>)	
Most recent review:	James was really committed to the job and sent me regular updates on the project progress. He is very professional (nice project management) and it was nice having him working for me.	

Organization	PriceWaterHouseCoopers / TAMS	Aug 2007 to Jun 2008
Position	Business Analyst / Consultant	
Duties:	<ul style="list-style-type: none"> ● Software Design, Development, Integration and Testing ● System Administration ● Project Management ● Team Communication ● Client Liaising 	
Technologies:	<ul style="list-style-type: none"> ● PHP, BASH, Python ● MySQL, Oracle ● Debian Linux, Solaris ● CVS, Subversion, GIT, Mercurial ● Trac 	

Organization	Zanee Broker Recruiting	Apr-2007 to Aug-2007
Position	Freelance LAMP Developer	
Duties:	<ul style="list-style-type: none"> ● Software Development ● Software Testing ● Bug Fixing ● System Administration 	
Technologies:	<ul style="list-style-type: none"> ● PHP, BASH, Python ● MySQL ● CentOS Linux ● GIT 	<ul style="list-style-type: none"> ● Trac ● IRC ● SSL and Blowfish Encryption

Organization	Wireless Broadband Services	Oct-2005 to Mar-2006
Position	Network and Systems Administrator	
Duties:		
<ul style="list-style-type: none"> • Building and Configuring Routers • Building and Configuring Access Concentrators for PPPoE client connections. • Modifying and building routing rules. • Help desk operator and troubleshooting. • Office technician 		
Technologies:		
<ul style="list-style-type: none"> • Python, BASH • Linux (CRUX, Gentoo, Debian) • MikroTik Router OS • TCP/IP Networking, Routing, PPPoE • Routing protocols: RIP, OSPF 		

Organization	Octal8 Pty Ltd	Oct-2003 to Jul-2004
Position	Programmer and System Administrator	
Duties:		
<ul style="list-style-type: none"> • Software Developmental (in- house) • System Administration of Linux Server • Office Infrastructure Maintenance 		
Technologies:		
<ul style="list-style-type: none"> • PHP, BASH • Debian Linux <ul style="list-style-type: none"> ◦ Samba ◦ Postfix ◦ Apache 		

Organization	Griffith University	May 1999
Position	Work Experience	
Duties:		
<ul style="list-style-type: none"> • Programming 		
Technologies:		
<ul style="list-style-type: none"> • VB 		

Showcase

Here are just some of the highlighted projects I've been involved with over the years. I involve myself in many Free and Open Source Software projects (FOSS) including those of my own.

Historical

pircsrv :: ProLogiTech? IRC Services

A unique set of flexible, configurable, robust and cross-platform IRC Services. Once used to power the AusOnline, 4-IRC and ShortCircuit IRC Networks.

Features:

- Event-driven architectures
- Component based pluggable architecture
- ChanServ, NickServ, MemoServ, OperServ
- Console Interface (telnet)

 <http://trac.shortcircuit.net.au/pircsrv/>

pwiki2 :: ProLogiTech Wiki II

A WikiWiki clone written over the Christmas holidays. This software used to power the ShortCircuit website, ShortCircuit wiki and many other websites. (*Source code available upon request*).

Features:

- Written in PHP (4.x)
- MySQL database backend
- Large set of WikiFormatting Rules
- Icons and Smileys
- InterWiki links
- Macros and Plugins

Unaccom Wireless Network

Student wireless network for the Unaccom Student Accommodation complexes at Robertson, QLD.

Cost: ~\$15,000 AUD

Personnel: James Mills and Stephen Hrcnciar

Features:

- Separate 5Ghz (802.11a) backbone network
- Separate 2.4Ghz (802.11b) user network
- PPPoE Authentication
- Traffic Accounting
- Central Administration

Technologies:

- 802.11ab wireless
- MikroTik Router OS
- RADIUS (FreeRadius and RadiusManager)
- Linux (CRUX)

Current

CRUX Linux Distro

Contrib Port Maintainer

Ports : ~200

URL:  <http://hg.softcircuit.com.au/crux-ports/>

circuits :: Python event library with Component architectures

circuits is a Python event-driven library that has a high focus on Component Software Architectures. Software written and designed with the circuits library is maintainable, scalable and capable of easily being distributed. Circuits has been a constant work in progress since Dec 2006. circuits.

Features:

- Simple and easy to use
- Debugger, Timer components
- Event Bridge
- Worker components

 <http://trac.shortcircuit.net.au/circuits/>

Other

- Touch Typist (~50-60WPM)
- Hardware
- Troubleshooting
- Networking Routing
- Compilation Testing
- Documentation/Technical Writing