

Resume of Bruce R C Lyon

Address: Lower Hunter Valley NSW

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Personal Details

- Full name – Bruce Raymond Cameron Lyon
- Language – English
- Nationality - Australian
- Private vehicle – Fully owned and comprehensively insured

Qualifications & Certificates

- Bachelor of Engineering (Electrical) 2nd Class Honours 1983
UTS, Sydney NSW
- Microsoft Certified Trainer *(not current)*
- Microsoft Certified Professional *(not current)*
- Electrician (A Class) - *Newcastle TAFE (1987)*
(not current)

Licences & Authorities

- Drivers License – Current NSW Class LR valid to Dec 2009
- Australian Passport – Current
- Basic Construction Safety Certificate (NSW)

Objectives

- Enjoy whatever I am doing, wherever I am
- To get positive results that mean something for the stakeholders in the work that I do
- Go almost anywhere – kids are all grown up.
- Increasing experiences in senior team leadership and project management roles as opportunities present.
- Keep technical skills, expertise and knowledge current with major automation, IT products and technologies in software and hardware, systems and applications

Key Skills & Abilities

- Project management
- Team leadership & people skills in team environment from 15 up to 80 people
- Internal and external marketing, sales campaigns
- Detailed experience with budgetting, balance sheets and P&L, understanding of management accounting, MYOB
- Systems design, systems analysis, systems integration
- Server operating systems admin – Linux, Unix, Windows Server
- Electrical engineering including man / machine Interfacing, real time computing, Process control, PLC's & SCADA systems, power generation, HV transmission & distribution, alternate energy systems – PV solar & wind
- Web integration (websites, smart backend database applications, e-commerce)
- IT Infrastructure design, build, configuration, and operations including LAN & WAN networking, power supplies, DR sites, wireless technologies – 2.4 & 5 GHz

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- Software development over full life cycle including design, program development and deployment in many languages
- Relational database system design, implement & management

Career Synopsis

- DESiiN Software & Networks - September 2008 to present
 - Principal Consulting Engineer
- Country Energy - July 2007 to August 2008
 - External Project Manager for "CE to NEMMCO ICCP Link" for Country Energy – Agency is Adaps Pty Ltd
- DESiiN Pty Ltd - 1995 to June 2007
 - Principal Consulting Engineer – Software & Network Engineering
 - Many clients – contracted & direct– see separate listing -
- Maitand Musical Society - 2006-2008
 - President / Executive Producer
- Lyon and Associates – 1993 to 1995
 - Software and Network Engineer
 - Major contract – BHP Engineering
- Quality Data Australia – 1990 to 1993
 - Senior Software Engineer
- Spengat Technologies – 1989 to 1990
 - Software Engineer
- Tomago Aluminium – 1986 to 1989
 - Project Engineer
- Electricity Commission of NSW – 1977 to 1986
 - Electrical Maintenance Engineer

Previous End Customer / Client List

- AAPT
- Advance Energy
- Apek Computer Technology
- Ausdoctors
- BHP Newcastle Steelworks
- BHP Engineering
- Chromis Occupational Medicine
- Cotton Seed Distributers
- Country Energy
- Customers Ltd
- DVD Hit Movies
- Egret Technologies
- Fischer Industries
- Graham A Brown & Associates
- Great Lakes Council
- Great Southern Energy
- Home Delivery
- Hong Kong Electric

- Hunter Health At Work
- Hunter Industrial Medicine
- Imaging Partners Online
- Littles Winery
- Lovells Springs
- NEMMCO
- Northpower Energy Trading
- Ozemail
- Port Stephens Council
- Port Stephens Telecentre
- Sun Microsystems
- Skywave – Wireless ISP
- Switch Telecommunications
- Tamburlaine Wines
- Trans Data Communications
- turboWeb
- United Goninans

Employment History – Last 5 Years only (for brevity)

Period September 2008 to Present
Employer Desiin Software & Networks
Job Title Principal Consulting Engineer

Responsibilities

- Business management
- Deliver customer services as required in software and network engineering.
- R&D for future products and services

Achievements

- Personally delivered all software and network engineering services to customers as detailed in the table below. No staff employed.
- Provided emergency technical support for customers as detailed in the table below.
- R & D into MYOB & database software product development
- R & D into Asterisk based VOIP telephony service offering.
- R & D of a packaged green energy product including engineering calculations for solar and wind energy installations for small domestic market.

<u>Period</u>	<u>Client</u>	<u>Tasks</u>
Sept 2008 to present.	Skywave – Local Wireless ISP	Relocate and rebuild email and web server for Skywave following Newcastle floods to alternate location – July 2007
	Chromis Occupational Health	Staff training on WAN and remote computing concepts. Emergency technical support for failed network equipment and wiring in Kotara office. Systems administration.
	Direct to public retail sales.	PC sales & support via BBX and Bartercard – 2-3 systems per month.
	AAPT	Remote support maintenance contract – AAPT – Energy Industry Linux firewall and server – real time data feeds to NEMMCO via frame relay, ISDN and T1. Upgrade Linux backup machine to latest Debian, and compile down custom kernel to suit Sangoma Frame Relay cards. Configure and test.
	DVD Hit Movies Online	Migrate website to alternate service provider.

Period July 2007 to August 2008
Employer Country Energy
Job Title External Project Manager - “Country Energy to NEMMCO ICCP Link”

Responsibilities

- Main objective, was to ensure that the proposed “ICCP Data Link from CE to NEMMCO” is realised and implemented into a fully operational state”, in the role of External Project Manager, with specific responsibilities for:
- Project management
- Project Budget Spend \$500,000+
- Team leadership & co-ordination in
 - procurement
 - software development, configuration and testing
 - commissioning co-ordination of testing, implementation and go live to a fully operational state
- Communication & co-ordination across multiple entities including state and federal government entities, suppliers, contractors, both locally and internationally
- Application of innovation and experience to ensure functional results where and as required.

Achievements

- The main objective was fully achieved and the project was fully operational at the end of my involvement.
- The challenge of bringing together a loose grouping of stakeholders, including multiple internal departments, suppliers, contractors and regulators was a challenging task.
- These included software contractors in Canberra, suppliers in UK – General Electric, internal resources, NEMMCO, and multiple departments inside Country Energy
- A major re-definition of the project was also required to be fleshed out and implemented due to short comings in original supplied GE software. The re-definition of the project was instigated because of some innovative and novel proposals I developed, largely due to my technical background in the relevant disciplines.

Period March 2006 - Jul 2007
Employer Maitland G&S & Musical Society Inc
Job Title President (CEO) & Executive Producer

Responsibilities

- Organise and produce two full scale musicals per calendar year.
- Manage personnel of over 80 individuals.
- Budgetary oversight
- Sales and marketing oversight
- Team leadership.
- Strategic directions formulation

Achievements

- Most successful financial year in 2007
- Developed new venues and opened up new markets for the organisation.
- Increase in membership by 110%
- Full staffed management committee
- Rapid introduction of new stage performance technologies

Period January 2004 to July 2007
Employer Desiin Pty Ltd

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Job Title Principal Consulting Engineer

Responsibilities

- Business management
- Sales and marketing
- Deliver customer services as required in software and network engineering.
- R&D for future products and services

Achievements

- Personally delivered all software and network engineering services to customers as detailed in the table below.
- Provided emergency technical support for customers as detailed in the table below.
- R & D for e-Commerce related service offerings, wireless ISP

<u>Period</u>	<u>Client</u>	<u>Tasks</u>
January 2007 – July 2007	Skywave – Local Wireless ISP	Relocate and rebuild email and web server for Skywave following Newcastle floods to alternate location – July 2007
	Hunter Industrial Medicine	Define requirements, procurement, setup and configuration of ADSL , Windows SBS, MS Office, remote EMAIL , new server and workstation environment, remote access network setups
	AAPT	Remote support maintenance contract – AAPT – Energy Industry Linux firewall and server – real time data feeds to NEMMCO via frame relay, ISDN and T1
	Skywave – Local wireless ISP	Ongoing weekly technical support - wireless, networking, billing systems
	Chromis Occupational Medicine	Installation and setup of additional Dell workstations using XP and Windows SBS 2003
	Imaging Partners Online	Medical imaging systems – consulting, systems, admin, development and modelling. Build RAID 1 Debian Linux onto HP Xeon Rack Mount server, build SQL databases to take billing data from medical imaging. BASH, PERL and C/C++, PHP to build web interface into the database, Work flow data into MS Windows and MYOB using SQL and ODBC. Initial design, prototyping and concepting. Due to client securing ongoing funding issues, the project eventually terminated.
	Direct to public retail sales.	PC sales & support via BBX and Bartercard – 2-3 systems per month.
Jan 2004 to Dec	Chromis Occupational Medicine	Investigate and test open source medical billing software customise using MySQL,

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<u>Period</u>	<u>Client</u>	<u>Tasks</u>
2006		Linux server, Apache, perl, PHP. Setup of Windows 2003 SBS setup and deployment including 5 workstations.
	Egret Pty Ltd	Design. build and deployment of wireless ISP at 4 locations including Linux based routers, IPTABLES firewalling, system monitoring. Linux ISP customer billing systems maintenance and development - routing updates on border routers, billing system updates using Perl. Included wireless antenna and transmitter establishment, webserver and email server.
	Lovells Springs	Setup of WAN at Carrington Newcastle and Minto Sydney. Install & configure Linux firewalls and build VPN. Install Linux office server and migrate websites. IT support for inhouse Linux and Windows and workstation hardware and software fixups. 2003 Server and exchange administration.
	Port Stephens Council	Linux consulting – Network monitoring using open source tools configurations and setups such as Nagios and Perl scripting
	Skywave Communications Australia	Newcastle based wireless ISP – network rebuild. Install & configure Motorola Canopy wireless, Mikrotik based Linux routers, Cisco Linksys routers. Install & configure billing system, web and email servers. Uses RADIUS, PERL, Apache, MySQL. - 18 months work.
	Greater Taree City Council	IT support for inhouse Linux. Install Satellite and Wireless Internet and build VPN's for three remote sites.
	AAPT	Remote support maintenance contract – AAPT – Energy Industry Linux firewall and server – real time data feeds to NEMMCO via frame relay, ISDN and T1
	Port Stephens Council	Inhouse Linux IT support
	Hydroshop Corporation	Install & support wireless WAN using Motorola Canopy – inhouse Windows 2003 server & XP workstation IT support
	Hunter Health At Work	Inhouse IT systems support
	Belmont Kennels, Williamtown	Wireless LAN install and support
	Direct to public retail sales.	PC sales & support via BBX and Bartercard – 2-3 systems per month.

My Detailed Skills Breakout

Organisational, HR and Business Management

- English - Speaking & Listening
- English - Written
- Team leader – up to 80 people
- Project Management
- Human Resource Management in small company (10-15 employees)
- MYOB
- Budget, Balance Sheet and P&L Understanding for Management Accounting
- Internal and External Marketing
- Sales Campaigns

Electrical Engineering

- Electrical engineer – Power generation, HV Transmission & Distribution
- Project engineering
- HMI Scada
- PLC programming
- Process control
- Materials handling
- Solar – PV systems
- IT & T skills as listed separately

IT & T Software Design & Programming

- C/C++
- Java server side
- Java client side
- VB & VBA
- ASP web scripting using Visual Basic
- HTML and PHP Web Page scripting
- SQL
- Oracle
- MS SQL Server
- OOA & D including UML
- OOP including Object Oriented C & Enterprise Java
- Perl
- PHP
- Pascal
- Rapid Application Development and Integrated Development Environment software for Java, Visual Basic and 4GLs
- The iFIX - PC Based SCADA Package By Intellution, USA
- Assembler
- X-Windows Environment
- Client Server Design & N-Tier Application Design Paradigm
- Full Software Lifecycle & Formalised Methodologies Exposure

Infrastructure Design, Operation and Configuration

- Linux – Debian, Redhat, Slackware, Embedded
- Sun Solaris
- Unix
- Wireless technologies – 2.4GHZ and 5GHZ deployments, antenna systems.
- Asterisk VOIP
- Windows XP & Vista
- Windows Server
- TCPIP
- SMTP, POP, NNTP,
- Apache, SQUID, Microsoft IIS
- Cisco & 3Com Routers
- Firewalls
- SMB, FTP, NFS
- ISDN, Frame Relay
- DNS
- System Maintenance/Fault Finding
- System Builds and Rebuilds
- Shell scripting
- Database install & Configuration

Community Service

- Maitland G&S & Musical Society Inc – committee member, treasurer, musician (brass)
- Seaham Public School – Scripture Teaching
- Anglican Church – member of Clarendetown Parish Council

Referees

Personal

[Withheld from Web Version](#)

Professional

[Withheld from Web Version.](#)