

David Hallett

Citizenship: New Zealand • Date of Birth: 13 January 1978

Contact

phone: +64 21 802 256

e-mail: david@hallett.co.nz

Address

PO Box 15-516, Dinsdale, Hamilton 3243, New Zealand

Profile

Overview I have over 15 years professional IT experience, predominantly working and contracting within the IT development sector. I have travelled extensively for business and leisure, enabling me to provide a global perspective in the application of my skills.

Availability I am available for interviews and able start at short notice.

Key Skills

Proficient and familiar with a vast array of programming languages, concepts and technologies, including:

Java, J2EE, JVM
C, PHP, JavaScript

Architecture, Design
Windows, Linux

Virtualisation, VPS / VM
Oracle, MySQL, Postgres

Infrastructure, Hardware
Networking Protocols

Education

1999 Postgraduate Study: Networks, E-Commerce, Human Computer Interaction
The University of Waikato, School of Computer and Mathematical Sciences
Hamilton, New Zealand

1996 to 1998 BSc, Computer Science & Information Systems
The University of Waikato, School of Computer and Mathematical Sciences
Hamilton, New Zealand

Work Experience

Mighty River Power, Hamilton

Solutions Architect

Employee

August 2010 – Present

- Mighty River Power is one of the largest companies in the New Zealand electricity industry, and was named the Overall Energy Company of the Year at the Deloitte Energy Excellence Awards in 2010.
- I am responsible for engaging with project and business stakeholders to architect and build the overall designs of respective technology stacks, their purposes and specific application. This includes peer review and quality assurance of project-based solution architecture.
- A function of my role is to establish and maintain documentation and specification standards including technology roadmaps and architectural overviews. Subsequently, I am responsible for ensuring that designs are properly followed and of general adherence to architectural and technology roadmaps.
- I provide assistance, advice, support, and mentoring to other Solutions Architects, IS teams and staff as required. I participate in capital investment planning, and provide input into future IT initiatives. I liaise with vendors, providing management and guidance as required for project architecture and scoping.

Rimu Hosting, Cambridge

Solutions Architect (Java, JS, HTML, MySQL)

Contract

December 2008 – April 2010

- RimuHosting was named a Deloitte/Unlimited Fast 50 company, ranked 16th overall by revenue growth in 2009. Winner of the Central North Island regional award for the fastest-growing technology business and the regional fastest-growing investment in R&D award.
- During my contract I worked on two distinctly separate projects. Initially I was engaged to provide an architectural roadmap, and to establish the priorities, features, and opportunities for the company and the services that were offered.
- The first project identified the need for a web-based customer support application which was tightly integrated with existing email applications. This application, subsequently released as InboxHarmony (<http://InboxHarmony.com>) became the focus of the second project.
- My tasks for the InboxHarmony project included providing architectural design for the application, mentoring of the development team, and specifying both the Java package structures and the object oriented class model. During the course of the project, I also spent considerable time developing Java code which significantly utilised the *javax.mail* framework which enabled seamless integration with existing IMAP and SMTP servers.

Radius Medical, Hamilton**Contract****Infrastructure Consultant (Virtualisation, MedTech)****2009 – 2010**

- During the consolidation of multiple general practice clinics, the need for the rationalisation of the ICT infrastructure across the group became apparent. I was contracted to provide infrastructure design recommendations and implementation support due to my experience with the MedTech32 system architecture, which utilises Interbase, BDE and Delphi.
- I worked in collaboration with the Radius Medical IT partner on specifying the system hardware and networking requirements. I then worked with the Radius Medical IT Engineer on the consolidation of the existing Windows servers into a virtualised VMware environment, enabling access from multiple sites via Microsoft Remote Desktop Services (Terminal Services).
- My services are retained on an ad-hoc consultant basis.

Vodafone, Auckland**Contract****Software Architect (PHP, JS, HTML, Postgres)****2008**

- I was contracted through Open Systems Specialists and Robert Walters to provide software design and development for a bespoke integration project for the network group.
- The software that I designed and developed provided a web interface through which the NOC (Network Operations Centre) staff dynamically manage and deploy configurations for the Server Load Balancers and Virtual Servers enabling the provision of robust Internet services.
- The machines that performed the server load balancing were Linux based, and had the dynamically generated XML configurations deployed to them via SCP.

Te Wananga o Aotearoa, Te Awamutu**Contract****Solutions Architect (.NET, SharePoint)****2008**

- I was contracted through Enlighten Designs to provide high-level scoping and architectural documentation for the development and implementation of the institution's SharePoint portal.
- Scoping involved establishing and documenting functional and non-functional requirements enabling the provision of a scalable, robust enterprise-level Microsoft Office SharePoint Server portal that would aid organisation-wide collaboration and business intelligence.
- Enlighten Designs and Axon Computer Systems Ltd won the Microsoft Partnering Award of the Year in both 2008 and 2009 with joint submission of this project.

Infratil (NZ Bus), Auckland**Contract****Integration Consultant (MS Active Directory, Linux)****2008**

- NZ Bus required a computerised system to capture business processes and procedures.
- IT management ascertained that an enterprise wiki would be the most appropriate system, and thus engaged my services to document the configuration and integration required to deploy an existing off-the-shelf application, MediaWiki.
- I augmented the MediaWiki application with varying libraries enabling it to meet the numerous requirements that had been specified. The requirements included providing LDAP integration with the NZ Bus Microsoft Active Directory server, which enabled Single sign-on (SSO) support for the wiki. I also patched the PHP code to utilise a WYSIWYG editor (FCKeditor) which enabled front-line users to effortlessly mark-up their text for use in the wiki.

Auto Auctioneers, Hamilton**Contract****Business Analyst (Functional Specifications)****2008**

- I was contracted through Enlighten Designs to provide both functional specifications and technology requirements for an auction system specific to the client's requirements.
- Workshops and numerous meetings were held with the stakeholders, prior to, and during the development of the functional specifications.

Obsidium Health & Safety, Hamilton**Contract****Solutions Architect (Java, JS, HTML, Oracle)****2007**

- Obsidium Health & Safety purchased INTAZ (see below). Due to my comprehensive knowledge of the business and the software, I was contracted by Obsidium for a software modernisation project of certain key application components.
- Due to new customer requirements, I performed a total redesign of the system's security model.
- I also wrote a detailed design for an ad-hoc reporting infrastructure which utilised the existing open source Java reporting library, Jasper.
- On completion of the project, I lead an intensive training workshop for the purpose of up-skilling and performing final handover to three senior developers who had been selected to support the application.

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| The Electrical Training Company (ETCO), Auckland Software Architect (Java, JS, HTML, Interbase) | Contract 2007 |
| <ul style="list-style-type: none"> • ETCO is the premier nationwide provider of training to the electrical industry in New Zealand. The organisation required a web-delivered application to provide access to student records and generate industry specific reports. • Due to the use of an existing commercial application, this was not a greenfield software project, as there was a requirement to integrate with the legacy system. • The solution that I architected included a middleware layer which brokered the communication between the two systems ensuring that the data integrity was maintained across both software platforms. • Working with my senior developer and user interface designer, we built and implemented an application with the usability of a modern application, successfully abstracting the complex middleware required to integrate with the existing system in real-time. | |
| Jasons Travel Media, Auckland Business Analyst (Functional Specifications) | Contract 2007 |
| <ul style="list-style-type: none"> • I was contracted by Enlighten Designs to analyse the existing Jasons.com system to ensure that all current functionality was captured in the specification for the Jasons.com reimplemention. • Due to the system complexity, I foresaw the need to perform detailed documentation of the existing system inputs and interfaces, hence compiled comprehensive information on all external schemas and data sources, and the required data transformations. | |
| Toll NZ, Auckland EDI Consultant (Integration, EDI Specifications) | Contract 2006 |
| <ul style="list-style-type: none"> • Previously having worked with Toll NZ, then TranzRail, on an EDI project for a COTS (Commercial Off The Shelf) integration, I was known for the quality of my work and the domain knowledge that I had of the organisation. • I was engaged to perform a comprehensive review and documentation of all EDI messaging used both within the organisation, and with external third parties. • The detailed documentation that I produced captured message formats, EDI processors (the systems on which they were distributed), EDI context diagrams and also provided specific recommendations for the EDI infrastructure, including suggested software development and network infrastructure considerations. | |
| Auckland International College, Auckland Software Architect (Java, JS, HTML, MSSQL) | Contract 2006 |
| <ul style="list-style-type: none"> • Auckland International College is a NZ independent day and boarding school which offers a specialised three year senior secondary school education. The classrooms contain web cameras that enable a parent to log in and view their child in class. • This is one of my favourite projects. I was contracted to design and build a web-based system which integrates into the existing COTS (Commercial Off The Shelf) student management software. It derives which classroom a child is currently being taught in, and then connects to that classroom's IP camera and proxies the video stream to the parent, sitting overseas, behind their computer. | |
| Bytalus, Hamilton Professional Consultant | Contract 2005 |
| <ul style="list-style-type: none"> • I was contracted to Bytalus to develop a prototype software system. When the prototype proved successful, I was retained to contribute to the development and drafting of a business method patent. • As a corollary of the system prototyping and testing, I had two additional duties, responsibility for the internal ICT systems, and delivery of external IT consulting services. | |
| INTAZ, Hamilton Solutions Architect (Java, JS, HTML, Oracle) | Employee January 2001 – December 2004 |
| <ul style="list-style-type: none"> • INTAZ is an Independent Software Vendor and specialises in producing risk management software. • Whilst I held the role of Solutions Architect, due to my experience I was seconded internally to perform additional roles. These included team lead of the infrastructure group, where I was responsible for infrastructure specification and configuration for development and production servers. • I was also involved in the testing group, designing (and contriving) system load testing scenarios, and undertaking performance analysis of the system under load. • My common daily tasks included both high level and detailed design of software, the implementation and documentation of Java software. I reported developments at the team leaders meeting weekly. • I travelled frequently for the company, both nationally and internationally, leading technical presales workshops and presenting on tender and RFP response documents. • My services were retained on an ad-hoc consultant basis through to May 2007. | |

CyberPulse (CyberCom Global), Auckland**Contract****Chief Information Officer****2000**

- CyberCom is a provider of IT and Internet connectivity solutions to the hospitality and tourism industry in the Asia-Pacific region. The group has multiple sales and support centres across Australia, New Zealand, Singapore and Malaysia, from where it supports customers throughout the region, everywhere from Cambodia to Samoa as well as major business hubs throughout the region.
- CyberPulse is a subsidiary of CyberCom. During my contract, my primary responsibilities were the company's internal information systems and the company's e-business infrastructure. CyberPulse was the initial delivery provider to the CyberCom group for hosting, connectivity services and infrastructure engineering services.
- At various times in the role I was client facing, required for presales negotiations and liaised with key clients. I reported fortnightly to the board.

Waikato Students' Union Inc, Hamilton**Employee****Vice President****1999**

- My role in student politics was an enriching experience which provided many valuable business insights, due in no small part to the funds and resources that were under my management.
- Constitutionally I was required to report fortnightly to the WSU Executive on the tasks which I was assigned. These tasks included overseeing the Student Advocacy Service, the management of certain assets, including the WSU's real estate portfolio, and directorships of WSU owned businesses.
- The businesses of which I was a director included the publication house, Nexus Publications Limited, which published - among other things - the weekly student magazine, the student radio and television stations, Contact 89FM Limited and Static Television Limited respectively, the student travel agency, Campus Travel Limited and interestingly, Campus Services Limited which is a joint venture with The University of Waikato, through which many on-campus services are provided.
- Ultimately I had the overall responsibility for the marketing, promotion and presentation of the WSU.

Telecom NZ, Hamilton**Contract****Software Developer (Visual Basic, MS Access)****1998**

- Telecom Residential Sales & Service had recently had two large software projects delivered into production: Express Net and Express Phone. These were self-service applications enabling customers to interact with Telecom without human assistance.
- Based on my experience of working with Microsoft Office tools, I was contracted to the Telecom project team to develop data analysis and mining applications which could be used by department analysts to monitor user behaviour and manipulate the datasets with off-the-shelf software.

Carter Holt Harvey Timber, Tokoroa**Contract****Software Developer (Visual Basic, MS Access)****October 1997 – March 1998**

- Developed many bespoke applications for site specific tasks and workflows. One such application was a multiuser timesheet used for tracking the effort of engineering workshop jobs.

Pulsar Computer Solutions**Director****Consulting Director****1996 – Present**

- Pulsar is the primary company through which I deliver contract services in a variety of roles, dependent on business and project requirements. Common deliverables include software designs, infrastructure specifications, software applications and library components.
- Through my consulting I have contracted to a wide variety of companies in many different industries. This has provided me with excellent exposure to a plethora of company cultures, business models, and a vast number of technologies deployed in a seemingly infinite number of ways.

Need A Nerd, Waikato**Director****Director****2009 – Present**

- Need A Nerd is a specialist onsite computer and technology service that supports, sets up and sells all sorts of technology products from computers to cell phones. My operational role in this business is minimal, as the company has a business administrator and the Nerds are predominantly self-managing.

Positions of Responsibility

I have been described as a high profile local and national commentator and expert on developments in the ICT sector. I currently hold roles that enable me to contribute significantly to both the ICT profession and sector.

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| NZCS | New Zealand Computer Society National Councillor |
| DIF | Digital Industry Forum Leadership Group |
| Wintec | Waikato Institute of Technology School of IT Employer Partnership Group |
| CITRENZ | Computing and IT Research and Education NZ National Executive Industry Representative |
| Fairfax Media | Waikato Times Technology Columnist |
| Need A Nerd | National Marketing Council |

Roles and Positions of Responsibility which I have formerly held:

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| NZCS | New Zealand Computer Society Waikato Branch Chair |
| WLUG | Waikato Linux Users Group Vice President |
| AUW | Acorn Users Waikato Treasurer |

Certifications and Industry Training

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| MNZCS | Member of the New Zealand Computer Society |
| ITCP | IT Certified Professional, http://www.itcp.org.nz/registry?id=153780 <ul style="list-style-type: none">• Solution Architecture• Programming / Software development |
| Java | Java Specialist Master Course Certified Presenter (<i>JavaSpecialists.EU</i>) Managing XML with the Java Platform (<i>Sun Microsystems</i>) IBM WebSphere Application Server Administration (<i>IBM</i>) |
| Architecture | TOGAF® 9 Gold (<i>Architecting the Enterprise</i>) |
| Testing | System Load Testing with Astra LoadTest (<i>MercuryInteractive</i>) |
| Infrastructure | Indoor / Outdoor Wireless Equipment Engineer (<i>Integrity</i>) |

Activities and Interests

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| Outdoors | Hiking and Kayaking. |
| Horticulture | Saffron Cultivation, Tomato Breeding and Hybridisation. |
| Charcuterie | Sausage Making and Cold Smoking. |
| Whisky | Single Malt Scotch Whisky Collecting and Tutoring. |

Languages

English (native)

Danish (conversational)

French (basic)