

# CURRICULUM VITAE

## DETAILS

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## PROFILE

Software development isn't just a job to me; it's a passion of mine. I love to look at all types of languages, tools and platforms as well as to talk to other developers and share ideas. Currently living in Auckland, New Zealand I am originally from the United States of America.

## TECHNICAL SUMMARY

JavaScript (16 Years)  
Web Development (16 Years)  
Node.js (6 Years)  
ReactJS (3 years)  
React-Native (1 year)  
Linux Administration  
Amazon Web Services  
Docker  
DevOps  
REST Based API's  
MySQL  
PostgreSQL  
MongoDB  
SASS, SCSS & LESS  
Git  
C# (14 Years)  
SQL (16 Years)  
iOS & Android  
Ruby & Ruby on Rails (3 Years)  
Java (4 Years)  
Python (3 years)  
PHP  
RabbitMQ  
Redis

## COMMUNITY EXPERIENCE

**JavaScript Society of New Zealand** (<https://www.javascript.org.nz/>)  
**General Committee Member 2014 - Present**

**Auckland JavaScript Meetup (AkJS)** (<https://www.meetup.com/AucklandJS/>)  
**Organizer 2016 - Present**  
**Co-organizer 2012 - 2016**

**Auckland Node.js Meetup** (<https://www.meetup.com/AucklandNodeJs/>)  
**Co-organizer 2016 - Present**  
**Organizer 2014 - 2016**

## CAREER HISTORY

### **Muzooka Ltd (October 2016 – Present)**

**Muzooka is a platform that connects the live music industry and artists together through discovery and promotion.**

Position:	Lead Web and API Developer
Job Specification:	Responsible for designing, architecting, API solutions. Design and implement features for the product based on business requirements. Manage the production code and oversee what new code is being added and oversee production releases
Responsibilities:	<ul style="list-style-type: none"><li>• Design guidelines and best practices for all systems development to insure common patterns and functionality across all products.</li><li>• Setup and manage servers and network infrastructure for all applications and api servers on Amazon Web Services.</li><li>• Provide guidance and technical design for product development.</li><li>• Create security guidelines for all developers.</li><li>• Design and build API endpoints.</li><li>• Integrate with 3rd Party API's and provide insight to those parties on improving their API's.</li><li>• Build React based front end components</li><li>• Troubleshoot performance bottlenecks and improve API response and website performance.</li><li>• Implement automated testing.</li><li>• Implement Continuous Integration and Continuous Deployment pipeline.</li></ul>

[JavaScript, Node.js, Restful API development, Amazon Web Services, MySQL, DevOps]

### **InSpark Technologies Ltd (July 2015 – December 2016)**

**InSpark Technologies is a software startup that specializes in Diabetes and blood glucose analysis and predictive management.**

Position:	Lead Web Platform Developer
Job Specification:	Responsible for designing, architecting, and building custom web application for doctors to allow patients to share data with them. Setup all server setups for custom web apps, api servers and content based systems. Build custom solutions for reporting and tracking application usage. Design and implement features for the product based on business requirements. Manage the production code and oversee what new code is being added and oversee production releases
Responsibilities:	<ul style="list-style-type: none"><li>• Design guidelines and best practices for all systems development to insure common patterns and functionality across all products.</li><li>• Mentor developers on best practices and system design.</li><li>• Setup and manage servers and network infrastructure for all applications and api servers on Amazon Web Services.</li><li>• Provide guidance and technical design for product development.</li><li>• Implement testing of front end code and integrate into the overall build chain.</li><li>• Create and architect the single page application for the product.</li><li>• Create security guidelines for all developers.</li><li>• Design and build web applications</li><li>• Implement Continuous Integration and Continuous Deployment</li></ul>

[JavaScript, Node.js, CSS, HTML5, React.js, React-Native, Amazon Web Services, MySQL, MongoDB]

**Pushpay Ltd**  
**(April 2014 – July 2015)**

**Pushpay is a growing mobile payments provider both in Australasia and North America.**

- Position: Senior Development Engineer
- Job Specification: Responsible for creating build tooling to manage and build all front end assets such as JavaScript, CSS, and any assets required for the web platform. Design and implement features for the product based on business requirements. Manage the production code and oversee what new code is being added and oversee production releases
- Responsibilities:
- Design guidelines and best practices for all front end (HTML/CSS/JavaScript) development to insure common patterns and functionality across all products.
  - Mentor developers on best practices for front end development with JavaScript, HTML, and CSS.
  - Provide architectural guidance to developers on various product features.
  - Evaluate technology to see if it would benefit the company or the developers
  - Provide guidance and technical design for product development.
  - Implement testing of front end code and integrate into the overall build chain.
  - Create and architect the single page application for the product.
  - Create security guidelines for front end development process.
  - Design the web applications offline capabilities.

[JavaScript, CSS, HTML5, C#, Visual Studio, LESS, Node.js]

**Terabyte Ltd**  
**(Nov 2013 – April 2014)**

**Terabyte is a leading agency building beautiful responsive websites.**

- Position: Development Manager
- Job Specification: Responsible for creating standards for all developers for both front end and back end code. Evaluate staff and help create individual improvement programs for them. Manage the production code and oversee what new code is being added and oversee production releases
- Responsibilities:
- Design guidelines and best practices for all front end (HTML/CSS/JavaScript) development to insure common patterns and functionality across all work.
  - Mentor developers on best practices for front end development with JavaScript, HTML, and CSS.
  - Provide architectural guidance to developers on various product features.
  - Evaluate technology to see if it would benefit the company or the developers.
  - Troubleshoot and fix errors in production applications.
  - Create training material for developers.

[JavaScript, CSS, HTML5, C#, Visual Studio, SASS, Compass, Node.js, Grunt]

**The Wynyard Group**  
**(October 2012 – November 2013)**

**Wynyard is an established international organisation focused on protecting financial services, government and national infrastructure from threat, crime and corruption.**

- Position: Senior Web Developer

Job Specification: Responsible for providing both common modules and libraries to be used across all of the products as well as provide architectural guidance for the development of individual products as the Silverlight based solutions moved towards a HTML5 and JavaScript based solution.

Responsibilities:

- Design guidelines and best practices for all front end (HTML/CSS/JavaScript) development to insure common patterns and functionality across all products.
- Develop JavaScript based Silverlight transformation library to allow existing Silverlight code to be used in HTML5 based solutions.
- Develop interactive, graphically rich JavaScript based data documents using drawing libraries such as D3 as well as direct canvas and SVG manipulation.
- Mentor developers on best practices for front end development with JavaScript, HTML, and CSS.
- Provide architectural guidance to developers on various product features.
- Evaluate technology to see if it would benefit the company or the developers
- Provide guidance and technical design for product development
- Design and develop initial web application for one of the products to replace the native version of the product.
- Create and architect the single page application for the product.
- Implement and document initial structure of product for future developers to come onto the project.
- Create security guidelines for front end development process.
- Design server api's for use on the client.
- Design the web applications offline capabilities.

[JavaScript, CSS, HTML5, C#, XAML, Silverlight, Visual Studio, SASS, Compass, Node.js]

### **Independent Consultant (June 2006– Present)**

Position: Senior Developer/Systems Architect

Job Specification: Responsible for various development projects for the web and mobile.

Responsibilities:

- Create Node.js based resource management system for managing delivery of containers and trucks as well as route management for pick up and drop offs.
- Develop a mobile friendly CRM system.
- Provide guidance on how to best use Amazon Cloud Services for managing large file storage and long term backups.
- Evaluate delivered code from 3<sup>rd</sup> party for clients to determine quality and maintainability.
- Design and develop education related iOS/Android applications for use for students between Year 2 to Year 8.
- Develop a NO-SQL backed application for Windows Phone 7.
- Work with an international team on a PHP/MySQL based E-Commerce local deals site
- Develop an ASP.Net based application for the creation of classified advertisements for use in various regional newspapers in both New Zealand and Australia as well as accepting multiple currencies for payment.
- Create various Ruby on Rails based Content Management Systems for clients.
- Develop a content delivery system for consumption by website/mobile site as well as custom clients for mobile phones.

[C#, ASP.Net MVC, HTML5, JavaScript, MongoDB, Node.js, Objective C, XCode, Android, Eclipse, PHP, AWS]

### **Orion Health (June 2010– June 2012)**

**Orion Health is a leading provider of clinical workflow and integration technology for the health care sector.**

Position:	Senior Developer/Systems Architect
Job Specification:	Responsible for providing both common modules and libraries to be used across all of the Orion Health products as well as provide architectural guidance for the development of individual products.
Responsibilities:	<ul style="list-style-type: none"><li>• Design guidelines and best practices for all front end (HTML/CSS/JavaScript) development to insure common patterns and functionality across all products.</li><li>• Design and develop common front end library component from design specifications to be used across all development teams/products.</li><li>• Modularize CSS using SASS and Compass in order to minimize code duplication and browser differences.</li><li>• Package common components in JSP tags to increase code reuse.</li><li>• Implement automated testing for JavaScript libraries both in Node.js as well as in multiple browsers.</li><li>• Develop interactive, graphically rich JavaScript based hospital ward layouts and patient placings based on information stored in a database</li><li>• Develop Client Side Message Bus that allows for cross window, cross frame event firing.</li><li>• Develop tools in both Ruby and Node.js to assist developers in speeding up common development practices.</li><li>• Mentor developers on best practices for front end development with JavaScript, HTML, and CSS.</li><li>• Review and evaluate JavaScript and Java code as well as HTML and CSS from other developers.</li><li>• Provide architectural guidance to developers on various product features.</li><li>• Review products for security vulnerabilities and provide recommendations for mitigating security vulnerabilities.</li><li>• Evaluate technology to see if it would benefit the company or the developers</li><li>• Evaluate and recommend JavaScript Unit testing procedures for all JavaScript code.</li><li>• Design a Node.js based code documentation that processed existing files and augmented the provided information for developers to use</li><li>• Provide guidance and technical design for product development</li><li>• Help diagnose and troubleshoot problems in existing applications</li></ul>

[Java, JavaScript, Ruby, Node.js, CSS, SASS, Compass, YUI Library, Ant, JRuby, Python, Eclipse]

**Affinity Id (Formally Proximity Id)  
(October 2008 – June 2010)**

**Affinity Id is an award winning digital agency that specializes in targeted campaigns based on data analysis**

Position:	Senior Developer/Team Lead
Job Specification:	Responsible for overall architecture and development of various products. Requirements gathering from both internal and external clients in addition to being responsible for managing both internal developers as well as contract developers.
Responsibilities:	<ul style="list-style-type: none"><li>• Meet with both internal and external clients to discuss requirements.</li><li>• Prepare scoping briefs and quotes from those meetings</li><li>• Design and Architect the solutions.</li><li>• Manage the developers working on those projects.</li><li>• Coordinate within the company to manage developer time on multiple projects.</li></ul>

- Provide training to developers on various technologies such as data access patterns, JavaScript, automated deployments, and testing tools.
- Provide feedback and guidance on the direction the company should take in regards to development practices, tools, and technologies
- Interview and hire developers.
- Plan and implement highly scalable systems that can withstand 100,000 plus visitors in a short period of time.
- Participate in weekly planning sessions to provide details and estimates for work
- Develop loosely coupled systems around REST based web services
- Provide integration between internal systems and third party systems.
- Implement automated deployment systems for web applications
- Implement a Continuous Integration system to provide immediate feedback on our products

[C#, SQL Server, ASP.Net, ASP.Net MVC, jQuery, jQuery UI, Google Maps, REST]

### **Clone New Zealand (February 2008 – October 2008)**

**Clone New Zealand had a Content Management System that they used to provide powerful and flexible publishing systems to a range of clients**

Position:	Chief Software Architect and Technical Director
Job Specification:	Responsible for architecting implementations of custom CMS for customers based on visual designs and customer requirements. Responsible for managing both internal developers in addition to contract developers
Responsibilities:	<ul style="list-style-type: none"> <li>• Requirements gathering and solution architecture for clients.</li> <li>• Create implementation development guides based on graphic designs from the client for developers to follow in order to provide solutions to clients.</li> <li>• Develop and implement coding standards and guidelines for the company.</li> <li>• Develop client side code to meet security guidelines for ASB Bank.</li> <li>• Manage a team of developers through very large scale projects.</li> <li>• Implement the Scrum software development methodology.</li> <li>• Mentor developers when using new technology.</li> <li>• Assist developers in solving technical problems.</li> <li>• Liaise with clients and assist them in using provided solutions to the fullest.</li> <li>• Provide user training to client staff on the delivered products.</li> <li>• Plan and develop .Net solutions to enhance existing products.</li> <li>• Provide guidance for the product roadmap.</li> </ul>

[C#, ASP.Net, SQL Server, XML, XSLT, IIS, JavaScript, jQuery, CSS, Visio, VB6, ASP, Telerik Controls]

### **DMD Internet (April 2007 – February 2008)**

**DMD is an Auckland based digital strategy and marketing agency as well as providing custom software development**

Position:	Web Developer
Job Specification:	Responsible for the technical design and development of various client products.
Responsibilities:	<ul style="list-style-type: none"> <li>• Requirements gathering, initial and technical scoping, database design and code architecture for client applications.</li> <li>• Design custom data integration processes for exchanging information between existing client account systems and Ecommerce systems so that manual intervention was not needed.</li> </ul>

- From customer requirements design, architect and develop a B2B ecommerce solution that integrates into the clients existing accounting and inventory system into an online purchasing system.
- Integrate new features into existing e-commerce applications.
- Design specifications to be handed to junior developers for implementation.
- Implement MS AJAX, jQuery and custom JavaScript to enhance applications and add "Web 2.0" features

[C#, ASP.Net, JavaScript, Prototype, jQuery, IIS, SQL Server, MonoRail MVC Framework]

**WebSol/KoComm an Intuto subsidiary  
(June 2005 – April 2007)**

**Intuto provides interactive online learning both in New Zealand and around the world.**

Position:	Web Developer
Job Specification:	Responsible developing product solutions as well as designing and architecting the Learning Management System at the heart of Intuto's business. Introduce the development team to various best practices and development process improvements.
Responsibilities:	<ul style="list-style-type: none"> <li>• Involvement in the design phases of the Software development lifecycle for critical business applications, including requirements gathering, initial and technical scoping, database design and code architecture.</li> <li>• Plan and migrate existing ASP Classic applications to ASP.Net 2.0.</li> <li>• Plan and migrate existing ASP.Net 1.1 applications to ASP.Net 2.0.</li> <li>• Design responsive and intuitive user interfaces for the web using XHTML/CSS and both custom AJAX scripts as well as MS AJAX for ASP.Net library.</li> <li>• Develop solutions that implement new features of SQL Server 2005 for XML and integration with the CLR for .Net</li> <li>• Design and implement a Smart Client Windows Forms application that integrates into a larger application via Web Services.</li> <li>• Design and develop an ecommerce solution that integrates within an existing ASP.Net 2.0 application.</li> <li>• Develop a reporting system that uses SQL Server 2005 XML capabilities and XSLT for cross browser pure XHTML delivery.</li> <li>• Design and implement a system for importing and exporting of data into an IMS and SCORM compliant package and integrate it into an existing ASP Classic application.</li> <li>• Implement an automated web application testing system.</li> <li>• Implement Code Generation for relevant projects data access layers.</li> <li>• Manage the daily meetings when the project manager is unavailable.</li> <li>• Mentor developers and perform code reviews with them to evaluate their performance.</li> <li>• Establish the use of blog's, and wiki's in order to facilitate communication between team members.</li> <li>• Automate deployment and setup of web based applications.</li> <li>• Meet with both clients and potential clients to assess their needs in order for them to effectively implement our products.</li> </ul>

[C#, ASP.Net, SQL Server, SQL Server Reporting, JavaScript, IIS, Internationalization, ASP, Active Directory]

**Diocesan School for Girls  
(August 2000 – June 2005)**

**Diocesan School for Girls is a world class provider in education as well as having a large IT infrastructure where all staff and students have access to computers in addition to every student having a laptop once entering Year 8.**

Position:	Web Developer / Webmaster
Job Specification:	Responsible developing Internal Learning Management Systems, training staff on using the system and developing internal business applications.
Responsibilities:	<ul style="list-style-type: none"> <li>• Responsible for building and maintaining a business critical intranet system used by both staff and students for various business and learning uses.</li> <li>• Design and develop n-tier business applications based on analysis of user needs and requests.</li> <li>• Migrate existing MS Access database solutions to Web Forms and Windows based applications with SQL Server based back ends.</li> <li>• Move existing business systems to online web enabled systems.</li> <li>• Design and develop rich user interfaces with HTML, CSS and JavaScript.</li> <li>• Develop ASP, ASP.NET, PHP solutions for integrating the user interface with the data store.</li> <li>• Use SQL Server, MySQL, XML, Active Directory, and MS Exchange server for data.</li> <li>• Design and develop custom content management system.</li> <li>• Design and develop custom Learning Management Systems.</li> <li>• Configure Windows 2000 as well as Windows Server 2003 for various internet/intranet/extranet related uses.</li> <li>• Provide training to relevant staff and students on the use of equipment, and software, as well as providing web based help and tutorial files in both HTML and in the Macromedia Flash.</li> <li>• Documentation of Help Sheets as well as standard procedures and management level reports.</li> <li>• Evaluation of new hardware and software as well as audio visual equipment.</li> <li>• Call logging and resolution over the phone. (1st Level support)</li> <li>• Queue management and prioritisation.</li> <li>• Escalated fault investigation and resolution. (2nd Level)</li> <li>• Provide technical suggestions for department heads for annual budget requests by listening to what they would like to do and finding the necessary technical solution or provide a suitable alternative.</li> </ul>

[C#, ASP.Net, ASP, JavaScript, VBScript, PHP, SQL Server, Active Directory, Flash]

### **iHug (March 1999 – Junly 2000)**

**iHug (since purchased by Vodafone NZ) was New Zealand's second largest Internet Service Provider. In 1999 the company made a push into the retail**

Position:	Assistant Manager
Job Specification:	To engage with customers and try to sell various company products and computer related accessories. Oversee store staff.
Responsibilities:	<ul style="list-style-type: none"> <li>• Responsible for a staff of twelve.</li> <li>• Training of new staff with procedures, invoicing programs, and various protocols within the company.</li> <li>• Training staff on products and selling points of products that are stocked in the Store or on the E-commerce site.</li> <li>• Relating to Retail Staff on various promotions within other departments.</li> <li>• Interdepartmental relations</li> <li>• Liaise with other departments within the company on promotions that involve the Retail Division.</li> <li>• Training of staff from the Sales Call Centre on promotions within the Retail Division in order to effectively answer retail related queries from customers.</li> <li>• Attending regular inter-departmental meetings and communicating with staff in different departments.</li> </ul>



- Documentation and procedure design.
- Designing user manuals for a custom designed point of sale system.
- Designing pricing forms and product catalogs.
- Creating sales reports weekly, monthly, and annually in order to track trends within the store.
- Designing processes for the Ihug Service Centre, creating work forms to track the work done in the Service Centre.
- Designing various commission structure proposals for sales staff.
- Customer and Supplier Relations.
- Relating to customers when they are not completely satisfied with their purchase and making sure that they achieve personal satisfaction.
- Establishing and maintaining relationships with suppliers in order to receive top tier pricing.