

## GLENN JI

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### Summary

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Glenn is a full stack software engineer who has 9 years hands-on experience in building high performance web applications/services in the LAMP stack. He has the expertise in the development using both front-end and back-end technologies as well as using linux administration skills. He is always passionate in learning and using emerging technologies.

### Professional Experience

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#### Senior Consultant

December 2014 - Present

Dialog Information Technology

- Designed and developed **RESTful API** system in PHP for Water Information Dashboard project in Bureau of Meteorology, effectively making water information data available for multiple departments access.
- Successfully improved user experience for operating Water Information Dashboard by re-engineering dashboard website into a **single page application** using **AngularJS**.
- Created the equivalent Oracle database views in **PostgreSQL** database for Bureau of Meteorology.
- Successfully upgraded a **mobile application** (FireReady) core framework from **Cordova** 3.5 to 4.2 and fixed all legacy issues for Department of Justice and Regulation.
- Refactored FireReady back-end server **MySQL** queries and improved server processing performance by reducing response time from 7 seconds to 2 seconds.
- Developed School Bus Management System in PHP (**Drupal**) for Public Transport Victoria and delivered SBMS project **2 weeks ahead of deadline** with high quality.
- Successfully improved SBMS page loading performance by integrating Drupal native caching with **memcache** at backend.
- Successfully brought **Vagrant** to the team and helped team members setting up portable and consistent development environment.
- Managed Linux environment (CentOS), configuring **Apache/Nginx** web servers and installing packages in the development, staging and production environments.

#### Senior Software Engineer

September 2014 - December 2015

Open University Australia (OUA)

- Successfully executed a **hotfix in production** within a very short time without interrupting business operations.
- Successfully planned and **upgraded Drupal core** version from 7.24 to 7.38 without breaking any functionalities.
- Wrote unit testing code in **PHPUnit** and successfully achieved **90% unit tests coverage**.
- Developed **Drupal custom modules** seamlessly communicating with **Salesforce, SimpleSAMLphp and PEPI 3rd-party APIs**.
- Successfully brought **Gitflow workflow** to the team and efficiently achieved better **continuous integration**.
- Researched possibility of using **NodeJS** as backend technology for supporting online classroom chatting.

## Senior web Developer

April 2014 - September 2014

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- Re-implemented website new design using **SASS**.
- Successfully improved user experience using the **Drupal cache API and AJAX framework**.
- Worked with system administrator and successfully changed backend web server from **Apache** to **Nginx**.
- Researched possibility of using **HHVM** with **PHP-FPM** for running Drupal websites.

## Web Developer

Mar 2012 - Mar 2014

ONQ Design

- Developed Rutherglen e-Commerce website in **Drupal 7** and successfully delivered project in a **high standard**.
- Successfully transformed Rutherglen business requirements into **content models**.
- Successfully implemented **SEO** strategy and integrated google analytics code snippet.
- Setup project development, staging and production environment for Adairs e-Commerce website project in **Debian 7**.
- Executed **data migration** from legacy system (**Viart CMS**) to new system (Drupal 7).
- Successfully implemented **responsive design** in Adairs e-Commerce website project.

## Web Developer

Jan 2008 - Mar 2012

B2BE

- Re-developed the B2BE TDN Management System in **Codeigniter 2 MVC framework**.
- Worked as DBA and successfully implemented **database normalization, replication** in MySQL 5.
- Developed CGI programs in **C++** for translating customer document into proper EDI format.
- Re-designed Bunnings trading partner ordering workflow in **UML** and implemented it in a MVC way.

## Education

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**M.Sc., Computer Science** – University of Auckland, Auckland, NZ.

2006

**B.Sc., Information Science** – Massey University, North Shore, NZ.

2004

## Personal Open Source Projects

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1. ezpdo - <https://github.com/jiqiang/ezpdo>
  2. Vagrant LAMP - <https://github.com/jiqiang/vagrant-lamp>
  3. PTV timetable mobile app - <https://github.com/jiqiang/cordova-ptvtimetableapi>
  4. Drupal PTV Timetable Contrib Module - [https://www.drupal.org/project/ptv\\_timetable\\_api](https://www.drupal.org/project/ptv_timetable_api)

Referees available on request