

# Yan Dai

## PERSONAL DATA

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DATE OF BIRTH: 27 December 1989  
VISA STATUS: Resident Visa  
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GITHUB: <https://github.com/alvindaiyan>

## CAREER OBJECTIVE

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I have over 5 years' experience in building enterprise and web based application. I am hard working, reliable and keen to work in a forward thinking team. I am creative, independent and a good communicator with a desire to acquire new skills as well as advance existing skills.

My aim is to work as a full stack software developer, eventually having responsibilities in software architecture, business analysis and project management.

## TECHNICAL SKILLS

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SKILL DESCRIPTION	EXPERIENCE	LEVEL
PROGRAMMING SKILL		
Java (J2SE, J2EE)	Paid	Advance
Go	Practical	Intermediate
AngularJS & Nodejs & Webpack & Grunt & Gulp	Paid	Advance
DATABASE PROGRAMMING		
Relational Dbase (MySQL, PostgreSQL)	Paid	Advance
Cassandra	Paid	Intermediate
WEB DEVELOPMENT		
SpringMVC, JAX-RS, JSP	Paid	Advance
HTML & CSS	Paid	Intermediate
Javascript & JQuery	Paid	Intermediate
DEVOPS SKILLS		
Vagrant & Docker	Practical	Intermediate
AWS	Paid	Intermediate
Unix/Linux (Centos 7 & Ubuntu 12.04+)	Paid	Intermediate
Jenkins2	Paid	Intermediate
PROJECT MANAGEMENT		
Agile Methodology	Practical	Intermediate

## EDUCATION

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- 2009-2013 Bachelor of Engineering (Hons) in SOFTWARE ENGINEERING,  
**Victoria University of Wellington**, Wellington  
Honours Project: "PSO for Feature Construction and Binary Classification"  
Published Paper: *New Representations in PSO for Feature Construction in Classification*  
Advisor: Prof. Mengjie ZHANG
- 2008-2009 Certificates in English Proficiency and Foundation Studies  
**Victoria University of Wellington**, Wellington

## WORK EXPERIENCE

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| JAN 2016-CURRENT  | <p><b>Full Stack Software Engineer at IPAYROLL LTD, Wellington</b><br/><i>A Full Services Accounting and Payroll System</i></p> <p>Developed customized financial report regarding of various specific requirement from clients.</p> <p>Participated in developing iPayroll Restful API using Spring-Rest and developed the API doc using SpringFox, Swagger. Details can be found at <a href="http://dev.ipayroll.co.nz/">http://dev.ipayroll.co.nz/</a>.</p> <p>Developed, Maintained and Code reviewed the existing iPayroll System by Java, postgresSQL, Git and Spring framework (Prefer IntelliJ).</p> <p>Developed Time and Attendance front end system with ES6, AngularJs 1.4, Jasmine, Gulp and webpack (Sublime Text).</p> <p>Developed a plugin for Slack using Slack Webhooks, Slackbot, Java 8, gradle and Spring-boot.</p> |
| MAR 2015-NOV 2016 | <p><b>Technical Consultant, Devops at FOODNINJA, Wellington</b><br/><i>A Local Food Delivery Service Platform</i></p> <p>Migrated the application host to AWS.</p> <p>Participate in Software Architecture Design and Quality Control.</p>  |
| NOV 2013-DEC 2015 | <p><b>Software Engineer at SYL RESEARCH LTD., Wellington</b><br/><i>Enterprise Search Engine Using Java (SYL Platform 2.0, 2.1 and 2.5)</i></p> <p>Developed and Optimised new Java crawler for IBM LotusNotes, doubled the crawling performance and being used commercially.</p> <p>Developed a module (Java, <a href="#">Apache POI</a>) for extracting embedded documents from MS Word, Excel and Powerpoint. This is used by syl 2.1, and syl 2.5 platform.</p> <p>Main Developer for WordPerfect Document parsing function and used by syl 2.1 and syl 2.5 platform.</p> <p>Developed a RESTful API (JAX-RS using Jersey) for metadata services in syl 2.1 and syl 2.5 platform.</p>   |
| JAN 2011-FEB 2012 | <p><b>Software Engineer at BEIJING SHENZHOU AEROSPACE SOFTWARE TECHNOLOGY CO., LTD, Beijing, China</b><br/><i>Knowledge based engineering management project for China Aerospace Science &amp; Industry Corp (CASIC)</i></p> <p>Help with requirements analysis for the functions of knowledge acquisition, assessment of the problem, revision and evaluation system.</p> <p>Developed a online document viewing system.</p> <p>Research on the related algorithm such as the Genetic Programming, Support Vector Machine, Bayesian Network for data mining, search engine and Auto error detection function.</p>  |
| JAN 2013-MAR 2013 | <p><b>Software Engineer (Summer Intern) at FRONDE SYSTEMS GROUP, Wellington</b><br/><i>Auto Billing Reporting System in Java</i></p> <p>Requirements analysis for understanding the complex charging rules and implementing these complex rules.</p> <p>Software Architecture design: designing the basic structure of the system, helping with deciding the programming language and demonstrating the software architecture to the stakeholder.</p> <p>Team Management as a Scrum Master for our agile methodology.</p>   |
| AUG 2013-JAN 2014 | <p><b>Software Developer (Part-time) at PRICETECH, Wellington</b><br/><i>Web Based Applications Using .Net</i></p> <p>Maintenance of existing Pricetech Client Applications.</p> <p>Software development using C# and ASP.Net for the web-based price application.</p> <p>Software requirements gathering, including meeting clients, software requirements analysis.</p>   |
| NOV 2012-FEB 2013 | <p><b>Research Assistant at VICTORIA UNIVERSITY OF WELLINGTON, Wellington</b><br/><i>Evolutionary Computation for Data Manipulation and Using Particle Swarm Optimisation (PSO) for Feature Construction</i></p> <p>Published Paper: <a href="#">PSO for Feature Construction and Binary Classification</a></p> <p>Research and Design on the related algorithm for feature construction using PSO which is one of the very first research in this area.</p> <p>Implementing the designed algorithm in Java and Recording and analysing the experiment results.</p>   |

## ACHIEVEMENTS

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Honours Degree of Engineering in Software Engineering and Achieving a B+ average for all past four years courses.

Have published two papers for Genetic and Evolutionary Computation Conference (GECCO) 13 and EvoApps 2014.

Have developed a service-based, open-sourced instant messaging application using spare time, this project is hosted on [github](#).

Volunteer Software Engineer at Habitat for Humanity to help with their content management system.

## INTERESTS AND ACTIVITIES

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Technology, Reading, Programming

Being an active developer on Github.

Writing technical blogs, you can find my blog at <http://alvindaiyan.github.io/>

## LANGUAGES

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ENGLISH: Fluent

CHINESE: Mother tongue

## REFEREES

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*Peter De Vocht*

*Former Founder & Chief Scientist*

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