

# Curriculum Vitae

## PERSONAL DETAILS

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**Name:** David Zhu (Gong Wang Zhu)  
**Age:** Born 06/02/1982  
**Citizenship:** Australian Citizen (since 12 yrs old)  
**Location:** Brisbane  
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## CAREER GOAL

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To be challenged. To learn, reflect and adapt.

## AT A GLANCE

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***Enterprise Java developer with 7+ years experience:***

- ✓ JEE, JMS / Messaging,
- ✓ RESTful Application Architecture / Development,
- ✓ Spring, Spring-Security,
- ✓ Hibernate,
- ✓ Oracle / SQL,
- ✓ NoSQL Databases: CouchDB, Neo4J, ElasticSearch,
- ✓ Junit/EasyMock/Mockito/Cucumber.
- ✓ Glassfish, Tomcat, Apache Web Server

I specialize in bringing value to the business, through the use of **agile**, **test-driven** development, producing *highly performant, user-friendly* applications.

My interests / experience also include:

- ✓ Programming Languages (**Scala**, Groovy, Ruby, C/C++),
- ✓ Agile software practices,
- ✓ Continuous Delivery,
- ✓ High Performance applications,
- ✓ AI/ML/Neural Networks,
- ✓ UI design and related technologies (web 2.0, ajax) – for an example see <http://davezhu.com>

I have worked in a broad range of business domains – from hotel / travel to finance and retail. I consider myself a good problem solver and communicator.

## SKILLS / EXPERIENCE

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### Paradigms / Development Methodologies

- ✓ Agile, XP, Test driven development.
- ✓ Continuous Delivery
- ✓ OO, Functional programming paradigms

### Business Domains

- ✓ Hotel, travel (OTA – open travel alliance standards)
- ✓ Finance (commodities, *high frequency trading*, double entry accounting systems)
- ✓ Retail, Point of Sale (JavaPOS, OPOS)

### Languages

- ✓ Java / JEE
- ✓ Scala
- ✓ Groovy
- ✓ Clojure (started experimenting with)
- ✓ Ruby (limited, but enough to write cucumber tests)
- ✓ Javascript / Ajax
- ✓ CSS, HTML, SASS
- ✓ C/C++

### Technologies / Frameworks

- ✓ JEE (Servlet, JTA, JMS, JAX-RS etc)
- ✓ Spring (2.5, 3), Spring-WebServices, Spring-Security
- ✓ Hibernate (2, 3+)
- ✓ ElasticSearch, Lucene, Compass
- ✓ ExtJS (3, 4), Dojo Toolkit, jQuery Ajax frameworks
- ✓ Cucumber, Junit, EasyMock, Mockito
- ✓ Apache CXF, Apache Axis,
- ✓ REST, SOAP

### Tools

- ✓ IntelliJ IDEA
- ✓ Eclipse
- ✓ Jenkins (Hudson)
- ✓ GIT, SVN, CVS
- ✓ Maven, SBT (Simple Build Tool), Ant

### Servers, Databases

- ✓ Glassfish, Tomcat, Jetty
- ✓ OpenMQ
- ✓ Oracle
- ✓ MySQL
- ✓ CouchDB
- ✓ Neo4J
- ✓ PostgresQL
- ✓ H2

### Analysis, Design

- ✓ Use Case Analysis
  - ✓ Object Oriented Design
  - ✓ UML
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## EMPLOYMENT HISTORY – SOFTWARE DEVELOPER

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**2011 NOV – Current**      **Company:**    **WOTIF.COM**

**Position:**      **Contractor (Senior Java Developer)**

This is my second stint (see 2005 – 2009 period below for my 1<sup>st</sup> stint) at this unique workplace. As a contractor and someone who has a detailed knowledge of their existing systems, I stepped straight into a position to lead a team of 4 contract devs to design and implement an external search API for integration partners. Apart from the normal project work, I have also been involved in pushing for more rapid releases and implementing **Continuous Delivery** practices.

*2012 August – 2012 Aug*

***Project: PCI Compliance***

*Team: Accom*

Implement PCI compliance. High pressure environment, fixed deadline

*2011 NOV – 2012 Aug*

***Project: WotSearch – Inventory Search API for external partners (Phase I)***

*Team: Accom*

Integration project providing a very performant search API for external partners to retrieve aggregated inventory from WOTIF.COM.

*Main Technologies used:*

✓ Java, Jersey, Spring, Jackson, CouchDB, ElasticSearch, Cucumber

*Notable Achievements:*

✓ Two fold performance improvement over old system.

✓ Comprehensive Cucumber acceptance tests, automating builds, moving towards the Continuous Delivery goal.

**2010 OCT – 2011 OCT**      **Company:**    **Flight Centre Ltd**

**Position:**      **Senior Developer**

*2011 APR – 2011 OCT*

***Project: Quicktrip (flights search / booking system)***

*Team: JET*

*Main responsibilities:*

✓ Technical lead

✓ Design, implement both front-end ajax UI (using ExtJS) and backend flights search / booking services.

*Team Leader: George Pappas*

*Main Technologies used:*

✓ ExtJS, Spring 3 (MVC, Spring RESTFUL Web Services, Apache CXF), Hibernate 3.6, Maven, Oracle SQL/JDBC

*Notable Achievements:*

✓ Extracted monolithic system into modules, mavenized project,

✓ Greatly simplified system design,

✓ Implemented and received very positive feedback from business about the new intuitive UI.

✓ Mentoring junior developer

**2010 OCT – 2011 OCT**

Team: DASH

Team Leader: Ross  
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**Project: CORE (enterprise employee / business directory)**

*Main responsibilities:*

- ✓ Technical lead
- ✓ Design, implement 'CORE' – a greenfield enterprise-wide employee / business directory.

*Main Technologies used:*

- ✓ ExtJS, Jersey, Spring 3.5 (MVC), Hibernate, ElasticSearch, Maven, Oracle SQL/JDBC

*Notable Achievements:*

- ✓ Created the very first maven project in FlightCentre – this maven project is now used as templates for all new projects.
- ✓ Setup continuous integration (using teamcity), checkstyle, clover, coding standards
- ✓ Converted old db schema to Hibernate. integrated **ElasticSearch** for distributed search abilities, and its free form json schema support.
- ✓ Mentoring of mid/junior developers.

**Project: QWIC (financial accounting system)**

*Main responsibilities:*

- ✓ Implement new features
- ✓ Fix bugs

*Main Technologies used:*

- ✓ Spring, Hibernate, Oracle SQL/JDBC

**2009 SEP – 2010 AUG**

**Company: POD Entertainment Pty Ltd.**

**Position: Proprietor**

**2005 MAY – 2009 AUG**

**Company: Wotif.com Ltd.**

**Position: Java Developer.**

I have been actively involved in bringing to life the many projects that supported the tremendous growth at WOTIF.COM – from projects such as integrating with The Accor Group to sell their entire inventory on WOTIF.COM, to implementing *PCI compliance* using *HSM* encryption, to pushing WOTIF inventories to sell at various websites / companies that it acquired (e.g. lastminute.com, asiawebdirect). This place is where my programming career blossomed, where I learnt how to develop great software, where I worked with a group of very gifted people. A truly unforgettable experience !

**2005 JAN – 2005 APR**

**Company: Lithoart Pty Ltd, Brisbane Australia.**

**Position: Java Developer Contractor**

## EMPLOYABLE ATTRIBUTES

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- ✓ Creative / Innovative
- ✓ Passionate
- ✓ Self learner
- ✓ Excellent communicator
- ✓ Proactive with a positive “Can Do” attitude.
- ✓ Responsible, hardworking
- ✓ Fluent in Mandarin

## EDUCATION

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1995 – 1999

2000 – 2003

**Graduate, Brisbane State High School**

**Bachelor of Information Technology, Griffith University Nathan Campus**

**Majors:** 1). Software Engineering  
2). Computer Science

**Key subjects:**

- ✓ Information Technology Project (One year long external client project using Java/JSP/Servlet, see “Projects History”) (Award: **Distinction**)
- ✓ Programming Languages & Paradigms (Award: **High Distinction**)
- ✓ Software Architecture (Award: **Distinction**, 6)
- ✓ Computer Communication & Networks (Award: **High Distinction**, 7)
- ✓ Operating Systems (Award: **Credit**, 5)
- ✓ (Award: **Distinction**).Accounting Principles (Award: **Credit**)
- ✓ Business Statistics (Award: **High Distinction**)
- ✓ International Business (Award: **Credit**)

## REFEREES

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- ✓ Danny Williams (General Manager - IT) – WOTIF.COM
- ✓ Matt Cheers (Senior Developer) – WOTIF.COM

They can be reached through WOTIF.COM's main phone number.