

# WING CHEONG YIP

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## OBJECTIVE

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To work in an environment that provides continual personal and intellectual challenge, as well as to gain personal fulfilment through applying my skills and knowledge to a range of engineering projects that can help improve the efficiency, competitiveness and safety of an organisation.

Furthermore, to promote the art of software craftsmanship and use of software design principles to meet the long term goals and needs of the business.

## SKILLS

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- Significant Java programming skills with extensive knowledge of JSE and JEE programming environments(Servlets, JSP/JSTL, EJBs)
- Considerable experience developing software using the Spring framework including Spring Security, Spring MVC, Spring Data and Spring Boot.
- Considerable experience with testing and test automation using Junit, Mockito and Selenium
- Strong UI design and web application development skills with AngularJS, jQuery, CSS3 and HTML5
- Familiarity with Node.js platform and web development tooling with npm including yeoman, bower, grunt, gulp
- Familiarity with AWS services such as EC2, S3, Route 53, CloudFormation and CodeDeploy.
- Exposure to multiple Software Lifecycle Methodologies including Waterfall, Agile and Scrum
- Exposure to multiple application server infrastructures including WebSphere Portal 5.1 to 8.0, WebSphere 5.1 to 7.0, Weblogic 10 and Tomcat

### Tools

Eclipse, RAD, Rational Clearcase, Maven 1.0/2.0, Ant, JProfiler, Selenium, Sonar, Findbugs, Atlassian Confluence, Git

Other Languages: C++, VB6/VBA, SQL, COBOL, JCL

## EXPERIENCE

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- **AMP Financial Services ([www.amp.com.au](http://www.amp.com.au))**

### Technologies used

**Java, J2SE, J2EE, Spring, Thymeleaf, HTML5, jQuery, AngularJS, CSS3, WebSphere Portal, Gradle, REST, Junit, Mockito, Selenium/WebDriver**

*Consultant – Senior Developer/Tech Lead*

June 2012 – Present

### ***Customer Portal/Planner Portal/CSR Portal***

These are AMP's external and internal applications for customers, financial planners and CSRs to receive, promote and service their insurance, superannuation and financial advice information.

### Bett3r MVO

- Assisted in prototype of "Cloud 2.0" to leverage more AWS ecosystem. This included the use of Route 53, EC2, S3, CodeDeploy and CloudFormation.

### Aladdin MVO

- <https://www.amp.com.au/ampoffers/planner-conference-2015>
- <https://www.amp.com.au/ampoffers/planner-conference-2015/tally-ws>

- <https://www.amp.com.au/promo/updatedetails>
- Pseudo-startup environment to bring new experimental and conceptual corporate superannuation and insurance products as soon as possible to a minimal set of high value customers to gauge their potential with the least amount of effort and risk.
- Established strong working relationships with business analysts, product owners and test analysts to ensure that product development is aligned with the larger business vision.
- Rapid application development with renewed technology stack:
  - Apache Tomcat within AWS EC2 cloud infrastructure
  - Automated build and deployment process via Jenkins and Gradle.
  - Assisted in prototype of automated build and deployment process via AWS CodeDeploy and CloudFormation
  - Automated acceptance and unit tests using Selenium WebDriver/JUnit and Mockito
  - Spring Boot utilizing many of Spring's subprojects such as Spring MVC, Spring Data, Spring Security and using Spring 4
  - Serverside page via Thymeleaf templating
  - Persistent storage using MongoDB
  - REST API documentation using Swagger
  - UI Development with HTML5, CSS3, jQuery, AngularJS
  - UI Development tooling with bower and gulp
  - SAML Single Sign on

#### Portal Enhancements – Find a Financial Planner

- <https://www.amp.com.au/wps/portal/au/FindAFinancialPlanner>
- <http://www.charter.com.au/> (Find an Adviser)
- <http://www.genesyswealth.com.au/> (Find an Adviser)
- Championed the introduction of AngularJS into the AMP Portal technology stack.
- Built full end to end solution including:
  - Re-usable Single Page Application (SPA) across Portal & Vignette environments
  - (Level 2 RMM) RESTful services to provide an API for planner profile search, detail, image retrieval and enquiry creation.
  - Backend logic to existing EJBs, Oracle RDBMS, Siebel CRM and Google Search Appliance (GSA) systems

#### ACMS – Introduction of Banking Products within Planner Portal

- Involved in the introduction of a rapid test-driven portlet development environment utilizing the Pluto lightweight portlet container to provide platform-agnostic code
- Demonstrated use of TDD with >85% code coverage using Cobertura, Mockito and JUnit

#### AXA Migration

- Migrated existing and duplicated planner functionality from the AXA web applications into the AMP Portal web applications

#### BAU/Release and 3<sup>rd</sup> Level Production Support

- Estimation, design and implementation of solutions for various new pieces of functionality
- Analysis and resolution of production defects.
- Provide feedback to project teams regarding quality of deliverables and tooling to help support future maintenance

### ▪ **CGI Australia ([www.cgi.com](http://www.cgi.com))**

#### **Technologies used**

**Java, Oracle ATG Dynamo, jQuery, HTML, CSS, Weblogic**

*Consultant*

January 2011 – June 2012

#### ***Vodafone Shop ([shop.vodafone.com.au](http://shop.vodafone.com.au))***

This is Vodafone's online e-commerce application for customers to view and order the latest phones, tablets, mobile broadband and plans.

#### **iPhone 4S – Upgrades Project**

- Implemented and designed backend interface to Oracle Fusion.

- Improved existing architectural design of backend interfaces by creating common business delegate interface which can be subclassed with different implementations. This provides scalability/mobility to allow different backend calls to be made.

#### BAU/Release

- Improved page load times of business critical functionality by reducing HTTP requests via merging, compressing and minifying JS/CSS files
- Improved performance of shop by introducing caching and pagination mechanism
- Improved scalability and maintainability of code by abstracting and removing repetitiveness on the device details pages and by initiating a CSS restructure for overall website.
- Provided strategy in long-term goal of improving quality of code.
- Quickly build up knowledge on e-commerce and the ATG platform.
- Design, develop and estimate BAU changes and production fixes

#### ▪ **Westpac Banking Corporation (www.westpac.com.au)**

##### *Technologies used*

**Java, J2SE, J2EE, Spring, XML, RAD, Maven, WebSphere Portal, HTML, jQuery, CSS**

*Senior Developer (Projects)*

June 2007 – January 2011

##### ***Customer Information Systems/Service Online/ Transaction Account Opening***

These are Westpac's internal applications for delivering non-value customer and account related information to customer service representatives (CSRs).

#### BAU/Release

- Engage business and clarify requirements for BAU items
- Design, document, estimate and plan BAU change requests
- Manage changes through DEV, SIT, SOCT, SVP and PROD with testing teams, business and overall implementation manager.

Digital Signatures Project (Portal Spring MVC/EJB/Web Services/DB2) - New work flow for branch staff to create/update notice of authorities which allows verification of customer's signatures online via Service Online (SOL) application.

- Led front-end team of developers, providing coaching and mentoring of junior developers
- Designed and developed the front end portlet workflow using Spring MVC, JSP, web services, EJB
- Reviewed and re-factored work to ensure quality of work and standards were followed.
- Engaged with business and testing teams to resolve gaps in requirements and defects in the system.
- Acted as Release manager and managed deployment process from development to production.

TAO SME Project (Portal Spring MVC/EJB/Web Services/DB2) - New work flow for small/medium businesses to register for Business Internet & Telephone Banking and setup different access levels for different users to their business accounts.

- Designed the workflow for the front end UI and the backend integration with external applications using web services and EAI/MQ. This involved creating high level class diagrams and sequence diagrams.
- Engaged with other application teams for integration of software
- Developed front end UI using Spring MVC, JSP, EJBs
- Managed deployment process from development to production.

SOL PLAB Project (Portal Spring MVC/EJB) - Enabling searching of private label customers within existing Service Online (SOL) application.

- Engaged with business to gather, analyse requirements to determine feasibility.
- Provided high level design and estimate of effort of changes required
- Designed and implemented front-end changes using Spring MVC/JSP/JavaScript
- Provided assistance to other developers in backend functionality using EJB to connect to mainframe backend via EAI/MQ
- Used Maven2 to build & package software artefacts
- Managed deployment process from development to production using XMLAccess/JACL/ADAM scripts

AML Project (Portal Spring MVC-Webflow/EJB/Web Services/XML) - New work flow to identify personal/organisational customers due to compliance with new anti-money laundering/counter-terrorism legislation.

- Designed and developed an inter-portlet communication framework for the use of generic portlets in multiple applications.
- Created unit tests and automated regression tests for this framework in JUnit
- Integrated portlets into multiple applications with the use of this framework.
- Involved in creation of XMLaccess/JACL scripts to deploy software into multiple environments.

*Service Desk Analyst*

February 2007 – May 2007

Enterprise Services - ITSS Service Desk

- Communicated with customers and engaged with Application team to ensure a timely resolution of incidents/Service Requests.
- Improved the processes within department by automating routine tasks using VBA.

*Analyst Programmer*

February 2006 – January 2007

WIB - International Trade - Trade ASP Project

- Assisted in the design, build and implementation of Release 11 for the BankTrade system.
- Migration of COBOL batch programs from VSAM to DB2.
- Analysis and Resolution/Fixing of Issues for BankTrade system.
- Employed an automation process for interfacing BankTrade to BoleroAdvise following the appropriate standards using VB6.
- Preparation of user guides, technical specifications and testing plans for applications that were developed.
- Provided coaching to less experienced/new team members.

▪ **Card Smart Consulting ([www.card-smart.com.au](http://www.card-smart.com.au))**

**Technologies used**

**COBOL, JCL, ISPF, FileAid, Expediter, HTML, CSS, JS and ASP VBscript**

*Associate Consultant*

September 2003 – January 2006

Certegy Card Services

- Analysis and Resolution/Fixing of Defects for Base2000 system.
- Assisted in the research and setup of a Global Test Region.

Card Smart Infobase Website

- Preparation of user requirements, technical specifications and testing scripts for web pages that were developed.
- Development and refinement of web site.

**EDUCATION**

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- **AIM Tech Training: Mainframe Technical Skills Course**
- **University of New South Wales: Bachelor of Computer Engineering/Master of Biomedical Engineering (1999 – 2003) – 2<sup>nd</sup> Class Honours, 1<sup>st</sup> Division**

**REFERENCES**

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Available upon Request