

# Resume of Andy Lam Wai Loong

## Personal Particulars



<b>Name:</b>	Lam Wai Loong (Andy)
<b>Address:</b>	442, Ang Mo Kio Avenue 10, #07-1195, Singapore 560442
<b>Contact:</b>	8809 2755
<b>Date of Birth:</b>	27th April 1981
<b>Sex:</b>	Male
<b>Race:</b>	Chinese
<b>Marital Status:</b>	Single
<b>Nationality:</b>	Singaporean
<b>Email:</b>	<a href="mailto:andywl@gmail.com">andywl@gmail.com</a>
<b>Communication Skills:</b>	English, Mandarin, Cantonese

## Objective

To obtain a position with a strong, forward thinking, progressive company where I can fully utilize my knowledge and experience. Keep abreast of changes in the standards, technologies and methodologies.

## Employment History

April 2016 to Present

**Technical Lead**, MQ Spectrum Pte Ltd ([www.mqspectrum.com](http://www.mqspectrum.com))

### **Role & Responsibilities:**

- Manage a group of developers and testers, which includes both Singapore team and India team.
- Manage Government Project SLA deadline.
- Manage JIRA, Bitbucket code approval and Agile work processors.
- Coordinate cross-functional teams, including infrastructure, Developers, QA and business teams.

### **Past / Present Project include but not limited to:**

- **JTC Learning Management System**
  - Full development, customization, integration and maintenance of LMS.
  - Prepare Security Clearance.
  - Plan and raise CR for deployment.
  - Participate in server hardening process, application security scan and load testing.
  - Collaborate with SAP developers to create Web services for data populating from JTC SAP HRS system.
  - Develop Platinum and CASA notification web services.
  - Prepare User Guide and Technical Manual for User Acceptance Test.

- **CPF Learning Management System**
  - Full development, customization, integration and maintenance of LMS.
  - Develop web service and cron job for data populating from HRS system.
  - Prepare User Guide and Technical Manual for User Acceptance Test.
- **Vital ELITE Learning Management System**
  - Full development, customization, integration and maintenance of LMS.
  - Develop fully integrated Questionnaire and Survey module.
  - Involves in UI Design planning and development.
- **PALMS Learning Management System (People Association)**
  - Full development, customization, integration and maintenance of LMS.
- **HTLMS Learning Management System (Home Team Academy)**
  - Full development, customization, integration and maintenance of LMS.
  - Develop fully integrated Questionnaire and Survey module.
  - Cloning of Meta Courses and Classes on the fly.

March 2015 – April 2016

**Senior Developer, ACP**([www.acpcomputer.edu.sg](http://www.acpcomputer.edu.sg))

#### **Role & Responsibilities:**

- **Manage a group of developers which includes:**
  - Managing project timeline, task allocation and completion monitoring.
  - Provide guidelines for development standards and best practices.
  - Setup, implement and enforce protocols upon project development kickoff.
  - Development, customization, integration and maintenances of Moodle, Wordpress, Joomla and other web applications.
  - Coach and mentor team members including testing and debugging.
  - Review assignments for accuracy and quality.
  - Coordinate application of software release. Attend meetings, training and seminars.

#### **Past / Present Project include but not limited to:**

- **LOOP (Learning Online, Online Publishing)**
  - New project development, which involves Plug and Play capabilities by features modules.
  - Mobile responsive, HTML5 and LAMP development.
  - Create Sequence Diagram, UML Diagram and project timeline and allocations.
  - Integration with iFLYTEK API for TTS (Text-To-Speech) capabilities.
  - Course creation and SCORM integration.
  - Drag and Drop uploading documents including PDF, Audio, Video, Slides, SCORM.
- **iMTL (Ministry of Education) - [www.imtl.sg](http://www.imtl.sg)**
  - Development, optimisation and maintenance.
  - Involves server optimising and introducing Database Clustering Technology together with Speed Caching.
  - Operate and script amendment for Industry-Standard HP LoadRunner with NCS for Speed Performance Testing (SPT).
  - Apply Audio and Video conversion with FFMPEG and VLC.
  - Mobile responsive, HTML5 and LAMP development for iMTL v2.
  - HTML5 Audio recording and AJAX implementations.
  - Develop SQL statistics report generation.
- **iDA (Infocomm Development Authority of Singapore)**
  - Develop, maintenance and bug fixes on the Moodle application.
  - Development on Course creation, assigning and budget tracking modules.

- **IRAS (Inland Revenue Authority of Singapore)**
  - Develop, maintenance and bug fixes on the Moodle application.
  - Cronjob development and bug fixing.
  - SCORM update.

November 2009 - February

**Freelance, Markaxis ([www.markaxis.com](http://www.markaxis.com))**

**Role & Responsibilities:**

- Meeting up with clients on project timeline, quotation and invoicing. Application and Mobile App Development. Creating of Android application using JAVA and Eclipse Environment.

**Past / Present Project include but not limited to:**

- Internal SAAS Project - Aurora
- [TaskFill.com](http://TaskFill.com) - [www.taskfill.com](http://www.taskfill.com)
- MD Choice PTE LTD - [www.mdchoice.com.sg](http://www.mdchoice.com.sg)
- The Endo Clinic - [www.the-endo-clinic.com.sg](http://www.the-endo-clinic.com.sg)
- Aroma Bar PTE LTD - [www.aromabar.com.sg](http://www.aromabar.com.sg)
- Strong Lift PTE LTD - [www.stronglift.com.sg](http://www.stronglift.com.sg)
- Anna Le - [www.annale.biz](http://www.annale.biz)
- Official8 - [www.official8.com](http://www.official8.com)
- DSpec PTE LTD - [www.dspec.com.sg](http://www.dspec.com.sg)
- Aceway PTE LTD - [www.aceway.com.sg](http://www.aceway.com.sg)
- New Launch Gallery - [www.newlaunchgallery.com.sg](http://www.newlaunchgallery.com.sg)
- Hua Engineering & Services - [www.huaengineering.com](http://www.huaengineering.com)

November 2006 - 2009

**Application Consultant, NCS PTE LTD ([www.ncs.com.sg](http://www.ncs.com.sg))**

**Role & Responsibilities:**

- Assist client from the Government agency with business process definition and conceptual system design.
- Participate in collection and documentation of user requirements.
- Participate in system architecture design and documentation.
- Implement and assemble application design.
- Develop and configure programs to meet the requirements of the planned architecture.
- Perform Unit and System tests.
- Train and support system end users and technical staff.
- Coordination with Infra Team on Project deployment.

**Past / Present Project include but not limited to:**

- **Singapore Cooperation Programme (SCP) - [www.scp.gov.sg](http://www.scp.gov.sg)**
  - Development, Blog Application Integration, Maintenance and Operation of Internet Portal.
- **NDP Bay 2007 eBalloting**
  - Developed software program using C++ and Oracle Database to run 2007 year requirement and algorithm set by MINDEF.
  - Collaborations with 5 vendors (AXS, SAM, PACIFIC INTERNET, NCS SMS, TELEPOLL) to consolidate registrant data.
  - Running the eBalloting program on Preview and Actual NDP event with KPMG auditors.

- **Singapore United - [www.cep.sg](http://www.cep.sg)**
  - Development, Maintenance and Operation of Internet Portal with forum application and content management system.
- **NS Portal Lifestyle - [www.ns.sg](http://www.ns.sg)**
  - Development, Maintenance and Operation of Internet Portal with blogging, podcast, mobile site, content management system and interactive Flash time capsule.
- **Overseas Singaporean - [www.overseassingaporean.sg](http://www.overseassingaporean.sg)**
  - Development, Maintenance and Operation of Internet Portal with forum, calendaring, blogging, web chat, video chat and content management system.
  - Developed for Overseas Singaporean Unit, Prime Minister's Office.

November 2004 - 2006

**Senior Programmer**, Hardware Zone PTE LTD ([www.hwzcorp.com](http://www.hwzcorp.com))

#### Role & Responsibilities:

- Research and develop new web technologies including but not limited to new advertising units data capturing, administration of applications, execution of campaigns micro sites, event handling, web services, revamp, etc.
- **Web Portal involves:** [www.pHing.com](http://www.pHing.com), [www.hardwarezone.com](http://www.hardwarezone.com), [www.photovideoi.com](http://www.photovideoi.com), [www.gameaxis.com](http://www.gameaxis.com), [www.carma.com.sg](http://www.carma.com.sg)

#### Past / Present Project include but not limited to:

- Developing new Web 2.0 AJAX technology website services. - [www.pHing.com](http://www.pHing.com)
- Develop and implement API integration with [eBay.com](http://eBay.com) and [Hardwarezone.com](http://Hardwarezone.com) Classified Ads.
- Attended Google Adwords Professional (GAP) course and experience in Adwords advertising strategies.
- Involves revamping website for [GameAxis.com](http://GameAxis.com) and [PHOTOVIDEOi.com](http://PHOTOVIDEOi.com).
- Developing and editing existing PHP software to achieve contest driven platform for [PHOTOVIDEOi.com](http://PHOTOVIDEOi.com).
- Implementing XML-RPC, SOAP technology to achieve consolidation of all network's data- base of members.
- Developing RSS feed to syndicate content listing from [pHing.com](http://pHing.com) to all network.
- Creating and implementing SMS and online payment gateway function call.
- Spearheading the project Montage 2006. Collaborating with The Photographic Society of NUS and developing contest driven platform for online photo submission.

#### Other Abilities and Involvement Include:

- Web and Graphic/Vector Design - Proficient in Adobe Photoshop and Illustrator.
- Linux Administration - Shell scripting.
- Flash Action Scripting.
- Proficient in Javascript, DHTML and HTML5.
- Photography Skills.

November 2002 - 2004

#### **Freelance Designer and Programmer**

Self-study and gain knowledge and experience along the way. Specialising in PHP and MySQL development. Concentrated in design and programmed website features, database design and full web applications. Developed an online web article management application (Vezine).

November 2001 - February 2002

**Data Entry / Clerk, Song Seng Associates PTE LTD**

Job scope involves data entry, generating invoices and attend to orders from customers.

June 2000 - October 2000

**Part-time Clerk, HMV / Discvault PTE LTD**

Data entry of song tracks, artists and related stuff into the database.

December 1998 - December 2000

**Full-time National Service, Singapore Civil Defence Force**

Attended 3 months of basic reusing course and posted to Public Affairs Department in HQ. Per- formed varieties of clerical task involve data entry, designing of event brochures and paper bags.

January 1995 - December 1998

**Ang Mo Kio Secondary School**

GCE 'N' Level

