PERSONAL INFORMATION

Full name	**LU HONG HAI**
Date of birth:	March 17th, 1988
Marital status:	Married
Nationality:	Vietnam
Email:	luhonghai@gmail.com
Personal website:	http://luhonghai.info
Linkedin:	https://www.linkedin.com/in/luhonghai
Telephone:	+84 (0) 986 899 787
Address:	No.3 58/3 Tran Binh, Mai Dich, Cau Giay, Ha Noi
Current Occupation:	Senior Software Developer

BRIEF INFORMATION

A senior developer with around six year experiences in IT domain. Broad understanding and in-depth experience in Object-oriented programming (OOP), Java is primary language.

Experiences:

- Both front-end and back-end web development.

- Mobile (Android, iOS) development.

- Desktop application development.

- Voice recognition and analyzing.

- Big data, Machine learning.

- Amazon Web Service, Google Cloud computing.

Good command of English.

Strong in researching, analyzing, presentation, Continuous Integration process and teamwork skills.

Interested in strategy and data analysis.

EDUCATION

2003 - 2006	**Lam Son Gifted High School**	**Thanh Hoa, Vietnam**
2009 – 2013	**FPT Aptech**	**Hanoi, Vietnam**
Major:	Software Engineering	
Degree/Qualifications:	Higher Diploma in Software Engineering	

SKILLS

Issue tracking:	Atlassian Jira.
Continuous Integration:	Atlassian Bamboo (primary), Jenkins, Hudson, Travis.
Version control:	Git (primary), SVN.
Operate system:	Mac OS X (primary), Linux, Windows.

Programing language:	Java (primary), Objective-C, Swift, Javascript, HTML, PHP, Ruby, Python C#, C, VBA, Bash.
IDE:	IntelliJ IDEA (primary), Android Studio, XCode, Eclipse, Netbean.
Build tool:	Maven, Ant, Gradle, Rake.
Database:	MSSQL, MySQL, Oracle, Sqlite, MongoDB, DynamoDB.

WORKING EXPERIENCES

2011 - 2014	**Claybourne McGregor (C-MG)**	**Hanoi, Vietnam**
Position:	Developer	

Job Description:	Maintain BP Pensionline system and develop new system for BP from the beginning of 2012 called BP Pablo.
	Lead, develop and maintain a training requirements mapping automation tool for BP Upstream.
	Write document, setup and guide team to apply Continuous Integration process, move from SVN to Git, upgrade Issus tracking system and build tool (Jira, Bamboo, Github).
	Investigate and apply Amazon Web Service, Machine learning, Digital signal processing for pronunciation application called accenteasy®.
	Work on some projects use Google Cloud Computing (Google App Engine), Android and iOS application.

2015 - Present	**Claybourne McGregor (C-MG)**	**Hanoi, Vietnam**
Position:	Senior Developer	

Job Description:	Lead, design, develop and maintain accenteasy® Administration server, accenteasy® Android and accenteasy® iOS application.
	Train fresher Android and iOS developer.

ATTENDED PROJECTS

2011 - 2012	**CMG Future Monitor™**
Project URL:	http://monitor.c-mg.com
Position:	Developer
Responsibilities:	- Development - Deployment
Project description	The "Future Monitor™" works by constantly monitoring reports running on multiple servers, which it collates into a central server to check and compare their health. Each server runs a number of local health checks and provides advance warning, through an alert to the systems operations team, if the server appears to be underperforming. A unique characteristic of this system is it does not inundate you with alerts, but intelligently notifies you only when a key threshold is met or an event has changed status.
Programming languages:	Java
Technologies:	Google App Engine, JPA, JDO, Memcache, Maven

2012 - Present	**Continuous Integration (CI) process**
Position:	Team leader, developer
Responsibilities:	- Research, manage and apply Continuous Integration process tool - Improve development process - Refine project structure - Write custom build plugin, automation build script.
Technologies:	Atlassian Jira, Atlassian Bamboo, Github, Maven, Gradle, Rake, Amazon Web Services.

2012 - 2015	**BP PensionLine – Self-Service Financials**
Client:	BP Pension
Project URL:	https://pensionline.bp.com
Position:	Developer
Responsibilities:	- Maintain and fix bugs. - Develop new feature - Improve build script and process - Report development status to manager
Project description:	BP Pensionline is a feature rich site that allows over 60,000 members to manage their contributions in a secure self-service environment. It is worth well over £13.8 billion GB Pounds. Specifically responsible for the following tasks: - Rewriting Sarbanes Oxley (SOX) compliant security and login module. - Business continuity plan – regression, load and penetration testing as well as backup. - Financial calculation fixes and adjustments to Aquila's financial calculations. - Business requirements gathering and documentation, RUP methodology. - Development of Model View Controller (MVC), JSPs and flow handlers into a "skin-able" site. - Advise on Data Protection Act and user demographics. - Development of demographics gathering and report generation via WebTrends and data-mining. - Financial payslips forecasts, implementing A-day tax calculations. - Automated PDF generation of on-line documents from data held in database via XSLT and FOML. - Reporting to risk and review committee. - Automated test regression harness for financial calculations
Programming languages:	Java, HTML, Javascript, CSS, SQL
Technologies:	OpenCMS, ISAPI, JBoss AS, MSSQL Server, Ant

2012 – 2015	**BP Pablo**
Client:	BP Pension
Project URL:	https://plw1-prd.bppensions.com/pablo/content
Position:	Developer
Responsibilities:	- Develop - Maintain and fix bugs. - Improve build script and process - Report development status to manager
Project description:	BP Pensionline requires an internal Continent Management System, project name: Pablo. The system has to have BP branding and security.

Programming languages:	Java, HTML, Javascript, CSS, SQL
Technologies:	OpenCMS, ISAPI, Tomcat, MSSQL Server, Ant

Jan 2013   **BP Pensionline Mobile: Newsletter**

Client:	BP Pension
Project URL:	Google Play App store
Position:	Team leader / Developer
Responsibilities:	- Research framework, tools and API - Design architecture, create development plan - Create project structure, automation build script - Develop - Distribute - Version control - Report development status to manager
Project description:	Newsletter - PDF reader that lets user list, download and read newsletters from Pensionline system.
Programming languages:	Java, Objective-C
Technologies:	Android, iOS, Maven

Jan 2014   **Hipspot**

Project URL:	Google Play
Position:	Developer
Responsibilities:	- Develop - Support team members
Project description:	A social mobile application to find persons in range, then user could send request to meet for a coffee or others…
Programming languages:	Java
Technologies:	Android, Maven

Dec 2013   **BP Upstream - training requirements mapping automation tool**

Client:	BP Upstream
Position:	Team leader / Developer
Responsibilities:	- Create development plan - Create project structure, automation build script - Develop - Deliver - Version control - Report development status to manager
Project description:	Working with lead consultants from Accenture and Harvey Nash to disseminate their process to automate mapping 5,000 contractors and employees to specialisms in upstream (Azerbaijan, Gulf of Mexico & North Sea). The tool selects various methods to map the users to their specialisms and plugs the ETL integration issues from their HR SAP, LDAP (MS Active Server) data.

Programming languages:	VBA, SQL
Technologies:	MS Access, MSSQL Server

Aug 2014	**accenteasy®**
Project URL:	http://www.accenteasy.com Google Play App store
Position:	Team leader / Senior Developer
Responsibilities:	- Research technology, tools and API - Design architecture, create development plan - Create project structure, automation build script - Develop - Distribute - Version control - Report development status to manager
Project description:	Machine learning and natural language processing (NLP) company accenteasy shared their expertise with Education Ministers on their 2020 English language project. The aim of Project 2020 is to improve English language standards in Singapore, Malaysia and Vietnam by 2020. Accenteasy built a tool to harvest words spoken with a British (RP) accent and used deep learning to classify features in the digital signals of these words. Machine learning was used to develop the ultimate version, which can identify when speakers veer away from the RP accent. Personally responsible for: • consulting on machine learning techniques • designing algorithms to analyze pitch, power and pace • meetings with Education Ministers in Vietnam and UK Trade and Industry • establishing a team of linguists and deep learning experts in Singapore and Vietnam • strategy for delivering access to back-end through SaaS • edutech to harvest data-sets to train machine learning models and proving statistical accuracy
Programming languages:	Java, Swift, Python, HTML, CSS, SQL
Technologies:	Android, iOS, Digital signal processing, Machine learning, Google Tensorflow, Load balancing, Auto Scaling, Amazon Web Services, JPA, JDO, Datanucleus, MySQL, Maven, Gradle.

Dec 2014	録音ラジオサーバー **(Radio Server)**
Project URL:	Google Play
Position:	Senior Developer
Responsibilities:	- Research technology, tools and API - Design architecture, create development plan - Create project structure, automation build script - Develop - Distribute - Version control

Project description:	A 200+ concurrent users Android application to play, record a radio broadcast of NHK and other channels.
Programming languages:	Java, PHP, C, C++
Technologies:	Android, JNI, PHP

May 2015	**Global Translator**
Project URL:	Google Play
Position:	Senior Developer
Responsibilities:	- Create project structure, automation build script - Develop - Distribute - Version control
Project description:	Global Translator, easy to use and quick texts. Ideal to wear on mobile or tablet. Translate to and from over 40 different languages and pronounces the words written for better understanding. Global Translator also contains the ability to read text using the device camera, listening text into the microphone.
Programming languages:	Java, C, C++
Technologies:	Android, JNI

Oct 2015	**Vietcomic**
Project URL:	Amazon App Store
Position:	Senior Developer
Responsibilities:	- Research technology, tools and API - Design architecture, create development plan - Create project structure, automation build script - Develop - Distribute - Version control
Project description:	Vietcomic is one of the best tools for both Vietnamese children and adults. People can enjoy Vietcomic with unlimited manga and anime. Some advantaged functions: - Unlimited updated comics, manga and anime. - Allow users to download and read offline - Scheduled download your books, do not need to wait to enjoy - Various types of comics, manga for both children and adults.
Programming languages:	Java
Technologies:	Android

TECHNICAL EXPERTISE

	1	2	3	4	5
Experiences:	1 - 6 months	6 – 12 months	1 – 2 years	2 – 5 year	> 5 years
Grade:	Weak	Fair	Average	Good	Expert

Skills	Experiences	Grade
Development plan	4	4
Architecture design	4	4
Agile, Scrum	4	5
Continuous integration	4	5
Web development	5	5
Android development	4	5
iOS development	3	4
Java	5	5
Objective-C	3	3
Swift	2	3
PHP	3	4
Javascript/HTML/CSS	4	5
Ruby	2	3
Python	2	3
Git/SVN	5	5
Maven	4	5
Gradle	3	4
Ant	4	4
Rake	2	3
Mac OS X	4	4
Linux OS	4	4
Windows OS	5	4
Bigdata / Machine learning	2	2
Hadoop / Load balancing	2	2

FOREIGN LANGUAGE

	1	2	3	4	5
Expert level	Beginner	Conversational	Fluent	Expert	Translator

Language	Listening	Speaking	Reading	Writing
English	3	2	4	4