

# Hua Liang

---

[hualiang.987@gmail.com](mailto:hualiang.987@gmail.com) +86 13661623973

---

## SUMMARY

Hua has total 8+ years' experiences in Web and database development. He has hands on experiences in building enterprise Java applications, Restful Services API and hybrid mobile application in multiple dynamic scrum team. Hua is self-motivated, quick learner, hard worker, a good team player with agile mindset and strong work ethic who eager to deliver unparalleled software solutions.

## WORK EXPERIENCE

### **Software Engineer, Mercuria (China) Metal Resources Co Ltd** Shanghai, CN (Sep 2018 to present)

- Hands-on technical lead role in Operations Technology, focusing on the design and implementation of the settlement and invoicing system and the strategic reference data system designed for commodity trading.
- Work closely with end-users from Asia and Europe regions to identify business requirements and provide best IT solutions.
- Coach for Junior Engineers.

### **Senior Software Engineer, KeyBank, Morningstar, Inc. (Before acquisition)** Washington, DC, USA (Jan 2017 to Jul 2018)

- Designed, implemented, and maintained integration features in the HelloWallet Wellness Application with Fortune 100 financial institutions.
- Architected inner source micro services Java framework that enforces enterprise best practices. Leading framework technical steering committee.

### **Solution Engineer, Deloitte Consulting LLP**, Orlando, FL, USA (June 2015 to Nov 2016)

- Migrate Talend job to java uses Spring batch process for a federal agency of the United States Department of Health and Human Services.
- Work on O&M items for a Google-like searching portal uses Solr-4.7.0, Java8, and AngularJS for a federal agency of United States Department of Health and Human Services.
- Assist Senior Manager and Manager to build a high-level and coordinated product release model for managing client's project releases and pre-production development for an American multinational financial services corporation.
- Customize a legacy Java Applet system to meet interface requirements for a currently underway SAP implementation for a leading manufacturer company.
- Redesign and develop a Jasper Report project for largest for-profit managed health care company.

### **Software Developer II, Infinite Energy Inc**, Gainesville, FL, USA (Feb 2013 to May 2015)

- Rewrite email sending system using Mandrill/MailChimp.
- Rewrite services using a combination of monolith and microsystem approach, and refactor restful API on top.
- Rewrite Customer web application using AngularJS.
- Lead developer on mobile-2.0 using the Ionic framework.
- Release production version, know some basic network load balancing cluster knowledge.
- Maintain Customer WebApp/Admin and Enrollments WebApp/Admin.
- Design, build and maintain Sales Portal WebApp/Admin and Coupon Services web applications from scratch.
- Design, build and maintain mobile1.0 using Cordova.
- Design and build automated online enrollments Restful API and documentation from scratch.
- Writing automated test using Arquillian Persistence Extension.
- Prototype and build PushPlugin and Restful services for IOS push notification.

### **Software Engineer, Yahasoft Inc**, Norcross, GA, USA (Sep 2012 to Jan 2013)

- Build and maintain TOTS, TEIDS web applications.
- Innovation projects: A/D via VB.NET & Oracle 11g; Find all service provider within given zip code and radius; Software integrity w/ SHA-1/MD5 hashing; Fill & Merge pdf template using PDFBox.

**Data Analyst, Delaware Valley Regional Planning Commission, Philadelphia, PA, USA (May 2011 to Aug 2012)**

- Build Census databases for Pennsylvania and New Jersey, design forms, write complicated queries and generate reports using VBA and Microsoft Access.
- Build DVRPC “Board Member”, “Staff List” and “Our Region” sections of official website using VB.Net, Fusion Charts and Google Map 2.0.
- Make ribbon via XML file in system table for Microsoft Access 2010 depends on previous custom toolbar implemented in Microsoft Access 2003.
- Analyzed, designed, developed and revised several VB.Net/Oracle web applications for internal usage.
- Build Java Application from scratch to migrate table structure and data from Microsoft Access to Oracle 11g.

## PROJECTS

**Settlement Management System - Tech Lead, Mercuria Energy Trading S.A.**

An internal software solution helps internal customers (globally) better doing physical commodity trading in a more effective manner. Functions include invoice control, cash management and logistic operation management.

**Responsibility:** Lead developer. Scrum master. Coach.

**Tools:** Java8, Sql Server, Dropwizard, Flyway, Docker, Angularjs, Gitlab, Alfresco, SAP integration, solace mq

**HelloWallet1.0 – Lead Developer, KeyBank, Morningstar Inc.**

Provides personalized financial guidance to members and relies on behavioral economics to incentivize workers to implement its advice.

**Responsibility:** New features development, bug fixes, batch job performance improvements (optimizing sql query), KeyBank user auto enrollment process, SSO for new customers.

**Tools:** Java6, JBoss7, MySQL5.6, Spring Batch, TeamForge, Docker, Openshift, Splunk, New Relic, BitBucket, Git

**Solr Search application - Senior Developer, Deloitte Consulting LLP**

Deloitte takeover IBM contract for the client to re-design its internal new drug search application and Talend job migration.

**Responsibility:** New features development.

**Tools:** Java8, AngularJs, DB2, Talend, Solr(Training only), Git

**Release management, code management - Consultant/ Architect, Deloitte Consulting LLP**

Propose a high-level and coordinated product release model for managing client’s releases and pre-production development and test environments, including code management, build and promotion processes.

**Responsibility:** Assist with the evaluation of a release management model and tweaking of that model for the new delivery team at client. Help creating a strategy for code management and governance of their pain points and tweak our existing release model.

**Infinite Energy Web Services API - Tech Lead/Developer II, Infinite Energy, Inc**

Single token based restful services on a secured connection, to provide the same functionalities for customer web app and enrollment web app. Allows mobile app to make direct json service call to get desired outcome.

**Responsibility:** Gather requirements from stakeholders, code development, architecture design, bug fix.

**Tool:** Java7, Wildfly8.1, RestEasy, Hibernate, Arquillian Rest Extension, SQL server, Maven2.0, CDI, EJB3, JPA2, Git

**Customer Web Application and Enrollment Web Application - Developer I/Developer II, Infinite Energy, Inc**

Customer: Web based application to allow user manage their nature gas/electricity account, view bills, make payments, set up recurring payments, view historical usage and generating reports. Enrollment: Web based application, which allows user enrolling nature gas/electricity services online when they move to a new home or change the address.

**Responsibility:** Maintain customer web application, bug fix, add new features.

**Tool:** Java7, JBoss7.1.1-Final Hibernate, Arquillian Rest Extension, SQL server, Maven2.0, CDI, EJB3, JPA2, JSF2.0, Primefaces5.4, IText, Git

**Infinite Energy Mobile App 1.0/2.0 - Tech Lead/Developer II, Infinite Energy, Inc**

Upgrade version of Infinite Energy Mobile Application1.0. New technology, improved user experience, accessibility required.

**Responsibility:** Architecture re-design, Code development, code review.

**Tool:** Cordova/PhoneGap, html, css, Git, Ionic1, sass, Angularjs

## AWARDS & CERTIFICATION

- ITIL® Foundation
- IBM Certified Application Developer - Cloud Platform v1
- IBM Object Oriented Analysis and Design - Part 1 (Analysis)
- Deloitte Lean Six Sigma Yellow Belt
- Oracle Certified Professional, Java SE 7 Programmer (July 14<sup>th</sup>, 2014)
- Oracle Certified Associate, Java SE 7 Programmer (July 12<sup>th</sup>, 2013)

## EDUCATION

- **M.S. in Web and Database Technology**, Saint Joseph's University, Philadelphia (Sep 2010 – Dec 2011)  
GPA: Major: 3.4/4.0
  - **Teaching Assistant in Java**
  - **Member, Weekly Service** (September 2010 to December 2010)
  - **Web Manager, The HAWK Newspaper** (November 2010 to May 2011)
- **B.S. in Computer Science**, Nanjing University of Aeronautics and Astronautics, China (Sep 2006 - July 2010) GPA: Major: 3.8/5.0

## LANGUAGE

- **Mandarin – Native**
- **English – Bilingual Proficiency**
- **German – Elementary Proficiency**