Hua Liang

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SUMMARY

Hua has total 6+ years' experiences in Web and database development. He has hands on experiences in building enterprise Java applications (monolith and micro-services), Restful Services API and hybrid mobile application in multiple dynamic scrum team. Hua is self-motivated, quick learner, hard worker and a good team player with strong work ethic who eager to deliver unparalleled software solutions.

WORK EXPERIENCE

Senior Software Engineer, KeyBank, Morningstar, Inc. (Before acquisition) Washington, DC (Jan 2017 to Present)

- Build and maintain the HelloWallet@1.0 product.
- Re-write batch jobs using store procedure.
- Build auto enrollment process for KeyBank customer.
- Support HelloWallet@1.0 Financial Wellness application incident.

Solution Engineer, Deloitte Consulting LLP, Orlando, FL (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 (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 (Sep 2012 to Jan 2013)

- Build and maintain TOTS, TEIDS web applications.
- Troubleshoot and Bug fix.
- Research on cutting edge methodologies and technologies.
- 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 (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

Project: HelloWallet1.0
Description: Provides personalized financial guidance to members and relies on behavioral economics to incentivize workers to implement its advice
Company: KeyBank, Morningstar Inc. (Before acquisition)
Client: KeyBank, Aon (Before acquisition), John Hancock (Before acquisition)
Role: Developer
Duration: All time
Responsibility: New features development, bug fixes, batch job performance improvements (optimizing sql query), KeyBank user auto enrollment process, SSO for new customers
Tools: Java6, GWT, JBoss7, MySQL5.6, Spring Batch, TeamForge, Docker, Openshift, Splunk, New Relic, BitBucket, Git

Project: Partner Façade
Description: Internal web application to mimic SSO process for different clients
Company: KeyBank, Morningstar Inc. (Before acquisition)
Client: KeyBank, Aon (Before acquisition), John Hancock (Before acquisition)
Role: Developer
Duration: 3wks
Responsibility: Bug fix
Tools: Java6, BitBucket, Git, Capitol(Morningstar Inc internal)

Project: Search application(memory based)
Description: Deloitte takeover IBM contract for the client to re-design its internal new drug search application and Talend job migration
Company: Deloitte Consulting LLP
Client: Confidential
Role: Developer
Duration: 3mos
Responsibility: Bug fix
Tools: Java8, AngularJs, DB2, Talend, Solr(Training only), Git

Project: Reporting web application
Description: Deloitte for the re-design of PCMS reporting web app
Company: Deloitte Consulting LLP
Client: Confidential
Role: Architect Associate/Developer
Duration: 6wks
Responsibility: Architecture re-design, code review for oversea teams
Tools: Java7, OOA/OOD, Jasper Report

Project: Manufacturing execution system
Description: Deloitte for the Design phase to define a common business process model that could be realized on the SAP platform across their different Operating Groups in multiple Geographical locations.
Company: Deloitte Consulting LLP
Client: Confidential
Role: Architect Associate/Developer

Duration: 6mos
Responsibility: Customize the system to meet interface requirements for a currently underway SAP implementation
Tool: Java Applet, Tomcat v6.0, Oracle 11g, Sql Developer 4.5, Rational Application Developer, IBM Lotus Notes 8.5, Sametime

Project: Release management, code management
Description: 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
Company: Deloitte Consulting LLP
Client: Confidential
Role: Consultant
Duration: 2wks
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
Tool: N/A

Project: Infinite Energy Web Services API
Description: 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
Company: Infinite Energy
Client: Infinite Energy Mobile Application and Third parties (clients name remain confidential)
Role: Tech Lead/Developer II
Duration: 1.5yrs
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

Project: Customer Web Application
Description: 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
Company: Infinite Energy
Client: Infinite Energy
Role: Developer I/Developer II
Duration: All time
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

Project: Enrollment Web Application
Description: Web based application which allows user enroll nature gas/electricity services online when they move to a new home or change the address
Company: Infinite Energy
Client: Infinite Energy
Role: Developer I/Developer II
Duration: All time
Responsibility: Maintain enrollment 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, cvs, Git

Project: Infinite Energy Mobile App 2.0
Description: Upgrade version of Infinite Energy Mobile Application1.0. New technology, improved user experience, accessibility required
Company: Infinite Energy
Client: Infinite Energy
Role: Tech Lead/Developer II

Duration: 8mos
Responsibility: Architecture re-design, Code development, code review
Tool: Ionic1, sass, Angularjs, Git

Project: Infinite Energy Mobile App 1.0
Description: Mobile Solution for customer web application. Features: monthly bill, make payments, historical usage, login, sign off, change password
Company: Infinite Energy
Client: Infinite Energy
Role: Developer I
Duration: 1yr
Responsibility: Design and build hybrid mobile solutions, Lead developer for push notification(IOS)
Tool: Cordova/PhoneGap, html, css, Git

Project: Broker Portal
Description: Online natural gas rates checking for clients in FL, GA, NJ and NY, electricity rates checking for clients in TX, Report generating for Electricity Facts Label
Company: Infinite Energy
Client: Infinite Energy
Role: Developer I
Duration: 5mons
Responsibility: Code development, bug fix, code review
Tool: Java7, JBoss7.1.1-Final Hibernate, Arquillian Rest Extension, SQL server, Maven2.0, CDI, EJB3, JPA2, JSF2.0, Primefaces5.4, IText, git

Project: Tennessee Early Intervention System (TEIS)
Description: Early intervention web application for government agency
Company: Yahasoft Inc.
Client: Tennessee Goverment
Role: Software Engineer
Duration: All time
Responsibility: Develop, design, integrate and support web and client-server software applications
Tool: VB.NET, Javascript, CSS, HTML, Sql developer, Oracle 11g

Project: Official site
Description: N/A
Company: Delaware Valley Regional Planning Commission
Client: Delaware Valley Regional Planning Commission
Role: Data Analyst
Duration: All time
Responsibility: Maintain official web application. Upgrade fusion charts, add google maps for different county and regions
Tool: VB.NET, Javascript, Fusion chart, Google Map2.0, Oracle 11g

System Experience

Software / Products :
Arquillian, Selenium, Log4j2, Cordova, iText, Apache Velocity, Ionic, Jenkins, Sonar, Nexus, Mandrill/MailChimp, Git, CVS, GitHub, Google Map 2.0, Fusion Chart, New Relic, Splunk, TeamForge, OpenShift, Docker, JBoss7.1.1-Final, Wildfly 8.1/8.2/9.0.1-Final, Apache Tomcat, Solr

Development Tools / Languages/Frameworks:
IBM Rational Application Developer, Eclipse, Netbeans 8.0, Webstorm, Nodepad++, Jaspersoft Studio, Visual Studio 2008, Java6/7/8, J2EE, Spring, Hibernate, Resteasy3.x, JPA2.0, JAX-RS2.0, JSF2.0, PrimeFaces, AngularJs1, NodeJs, Ionic, sass, PL/SQL, SQL

Hardware / Operating Systems:
Windows 7, Windows 8, Windows Server 2008, AWS(EC2, S3, Route53), IBM Bluemix Cloud Foundry

Middleware / Databases:
Microsoft SQL Server 2008/2010/2012, Microsoft Access 2010, Oracle 11g, SQL Developer4.1.2, MongoDB, MySql5.6, DB2, MySQL Workbench

General Tools:
Microsoft Excel, Microsoft Word, Microsoft Power Point, Microsoft, HipChat, Jira, Stash, Confluence, Crucible, IBM Lotus Notes, Sametime

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 14th, 2014)
- Oracle Certified Associate, Java SE 7 Programmer (July 12th, 2013)

EDUCATION

- **M.S.** in **Computer Science,** 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 Developer, SJU Radio Station** (March 2011 to May 2011)
  - **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