

Minghua Jiang

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Education

University of Virginia Charlottesville, VA

Dec 2017

School of Engineering and Applied Science

Master of Computer Science

Fudan University Shanghai, China

Jul 2010

Bachelor of Engineering in Software Engineering (Fudan & University College Dublin Joint Program)

Work Experience

Citigroup, Shanghai, China

Jul 2010 - Aug 2016

Assistant Vice President (Java Team Leader)

RCAST Reporting

A centralized Citi risk regulatory reporting platform.

(E-Core, SparkJava, Spring, Hibernate, Oracle, EHCACHE, JDK 8, Google Guice, Google Guava, MyBatis)

- Developed the UI based on internal web framework named E-core.
- Researched and introduced Google Protobuf as message payload between client and server.
- Implemented HTTP server side architecture using Command Pattern based on Jetty.
- Redesigned the architecture using SparkJava as an embedded-jetty framework to populate restful web services.
- Developed the ETL framework based on EHCACHE.
- Promoted JDK upgrade from 7 to 8 and host one share session about JDK 8 within the team.
- Set up TeamCity, Jenkins and Sonar for project quality assurance.
- Host code katas for the team to learn new techniques, practice TDD and improve problem solving skills respectively.

Java Developer

CVA Reporting

A batch based ETL and analytic system to calculate and report credit risk measures.

(Flex 4, JMS, Spring Batch, Sybase, Drools)

- Redesigned and implemented the whole project using Java to replace the original Perl based system.
- Implemented scheduler service using Spring Batch.
- Implemented the APIs for exposure service, calculation service and adjustment Service.
- Implemented the communication between scheduler and other services using JMS.
- Designed and implemented a re-usable Excel reader module for adjustment file upload.

Project Experience

JTakeColor - A Java based take color app.

<https://github.com/MinghuaJiang/jTakeColor>

- Built the app using JFace and SWT.
- Implemented color taking from any objects on the screen.
- Implemented amplification function so that it is easier to capture the color.
- Implemented the copy of the color in RGB mode or Hex mode based on user option.
- Implemented RGB palette.

BoxLink - A Java based file sharing app based on Box.

<https://github.com/MinghuaJiang/BoxLink>

- Implemented file upload and sharing based on Box API.
- Implemented file drag and drop.
- Implemented user authentication and authorization based on OAuth2.

Technical Skills

Languages: Java, Perl, Shell Script, Python

Java Frameworks: Spring, Google Guice, JUnit, Hibernate, MyBatis, Google Guava, EHCACHE

Software Engineering: Requirement Analysis, OO Design, Agile Process for Software Development, Software Testing.

Databases: Oracle, Sybase, MySQL, MongoDB

Web Technologies: Restful Web Services, JMS, Java EE, Web Containers like Jetty, Tomcat, Websphere

Certification

Oracle Certified Professional Java SE 8 Programmer

Feb 2016

(<https://www.youracclaim.com/badges/b677ee45-eede-464b-ac14-85156fedf3dd>)

Oracle Certified Professional Java SE 7 Programmer

Jan 2016

(<https://www.youracclaim.com/badges/8d069bd3-ce4b-4e49-a4f9-f019b188a6d5>)

Awards & Honors

Citi CTO Platinum Excellence & Dazzle Award 2015 Q4

Dec 2015

Quarterly Citi CTO Global Award for those who have inspired team excellence through leadership and consistently demonstrated outstanding performance and leadership.

Citi Spot Award 2013 Q4

Dec 2013

Quarterly Citi Regional Award to recognize and reward employees regionally with best quarterly project contribution.