

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 based on Apache POI.	

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.	