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| ZIHUA YAN  Edison, NJ 08820  nate.yan.ny@gmail.com |

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| PROFESSIONAL EXPERIENCE  **Software Engineer**  Citi | Jersey City/Edison NJ | 2012 – Present  Currently serve as Software Engineer of Citi ALTO (Low Value Payment) team, actively participate in requirements analysis, design and implementation application which provides real-time processing services for payment messages from SEPA ,LATAM and NA regions. Services include: validation, scheduling, rejection/disbursement, reporting, monitoring and so on.  Contributions:   1. Analyzed business requirements and designed business functions with global team. 2. Involved in daily stand up and sprint planning sessions as part of AGILE Scrum Methodology.   3.Designed and implemented high performance message(XML) parser and generator using Volante Designer.  4.Involved in development of very critical transactions: Enrichment Modules, Validation Modules and Channel/Party Listener modules based on Spring MVC Framework using MVC design pattern.  5.In charge of design/development/sign-off for Real-time/End of Day Disbursement Module and local system response message processing Modules  6.Used Spring Batch for scheduling and maintenance of batch jobs: End of Day Disbursement batch jobs, End of Day Feeds batch jobs, payment state update batch jobs etc. Implemented batch jobs to process large volume payment messages using HQL queries.  7.Developed REST APIs for communication to external application, application integration.  8.Developed UI for Customer Services Modules and Reports using Java Script, CSS, JQuery, Backbone etc. Implemented dynamic functionality to screens using JQuery and Implemented Asynchronous means of retrieval of data using AJAX.  9.Designed and troubleshot updates for Data Migration application.  10.Designed and develop PL/SQL functions/procedures and CRON scripts for Data Archival.  11.Worked with QA team in preparation and review of test cases. Involved in fixing defects & tracked them using QC & Provided support and maintenance and customization  12. Involved E2E Development by integrating Front End and Backend by Debugging.  **Research Assistant**  Lab of National Natural Language Processing Science Foundation of China | Guangzhou, China | 2006 – 2009  Served as RA on Scientific Research Project” Model of customer churn prediction for Bank of MinSheng”. This project aims at building up an application which discover customer behavior by analyzing loan and credit card transaction data from banking sectors. This is graduate project.  Contributions:  1.Learn and understand K-MEANS, SVM, ID3 and Logistic Regression with Weka 3.6 and libraries.  2.Implemented a basic version Logistic Regression Algorithm in C. |  | EDUCATION  **New Jersey Institute of Technology**  **Master of Science** in Computer Science and Technology  NJIT Fellowship for Excellent International Student  2010-2012  **Guangdong University of Foreign Study,CN**  **Bachelor of Science** in Computer Science and Technology  Honor Student  2005-2009  SKILLS  **Languages**  Java  JavaScript  JQuery  SQL  PL/SQL  Shell  [AngularJs](https://www.google.com/search?biw=1364&bih=662&q=AngularJs&spell=1&sa=X&ved=0ahUKEwjZxp67-ODPAhWMFj4KHUQ0D4gQvwUIGSgA)  Python  **Database**  Oracle  MySQL  **Server**  WebLogic  WebSphere  **IDE**  Eclipse [IntelliJ](https://www.jetbrains.com/idea/)SQL Developer **Framework**  Spring MVC  Hibernate |

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