**HAITAO yu**

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**Professional summary**

To pursue a senior data engineering and data analytics professional

Highly motivated, team-oriented data and analytics professional with proven record of delivering data analytics projects to meet objectives. Demonstrated success in leading and working with vendors and on-shore and off shore teams, with strong multi-tasking, organizational and team-building skills. Adept at developing variety of data solutions of data warehouse, data marts, data lake to meet rapidly changing data technologies and business environments. Enthusiastic and goal-oriented team player possessing excellent communication, interpersonal skills and leadership capabilities with high level of adaptability. AWS Certified Solution Architect, SysOps, Developer.

Areas of Expertise:

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| --- | --- |
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| * Cloud Engineering * ETL Architect/Designer/Developer * AWS Cloud Engineer * Business/Data Analyst * Oracle/SQL Server/DB2 * Teradata, Mainframes, Redshift | | * Data Architect/Data Modeler * Team Lead * Offshore team management * SQL tuning/Database tuning * Ab Initio/Informatica Power Center * Shell/Perl Scripting, PL/SQL |

**PROFESSIONAL EXPERIENCE**

**SHIETION TECHNOLOGY, China                                                                    Oct 2016 – Oct 2017**

**Cloud and Big Data Analytics Advisor**

Provided the advisory services in data engineering and data analytics domain.

* Used AWS Cloudformation service to Generate AWS Infrastructure
* Created a yaml template for generating a permanent stack with below exported AWS resources to be shared by other stacks: A VPC, a IGW in the VPC, a S3 bucket, two public subnets in the VPC, a public routing table (with a route to IGW) in the VPC, two private route tables (with routes to net gateways) in the VPC, two elastic IPs and two net gateways in the public subnets.

**ComED, Oakbrook, IL Oct 2014 - Oct 2016**

**ETL Lead**

Led the full life cycle of data warehouse and data marts development. Provided the production migration, performance enhancement, and releases signoffs

* Implemented data warehouse based on dimensional model for automatic smart meter readings
* Worked as the Informatica subject matter expert role(SME) for development projects. Efforts involved review the functional and technical design document, provided ETL design approval for new releases, provided production migration approval for all enhancement projects and bug fixes
* Conducted the performance tuning for the ETL load batch jobs as well as the data warehouse tuning to support the various business intelligence reports. The tuning efforts involves ETL framework redesign, parallel processing and SQL tuning. The performance tuning efforts result in both daily data loading and reporting to meet SLA

Technologies and Methodologies:

Informatica 9.5, Oracle 11g, Shell Scripting, SQL, PL/SQL, Visio, ER Win, Agile, Dimensional Modeling

**Sailemae, Indianapolis, IN Jun 2014 - Aug 2014**

**ETL Developer**

* Interacted with business community and gathered requirements based on business requirements
* Incorporated identified factors into mappings to generate feeds for downstream team. Send the generated feeds by using ftp scripts
* Generated daily LSMTJ File for the previous business day’s FDR nightly process
* Generated daily portfolio collection files for portfolio management team
* Generated monthly servicing data files for loan accounting service

*Source: MTJ\_OUT\_REC table and LOAN\_REC table. Lookup: Mater\_DATA, MASTER\_DATA\_A*

*Target: MTHLYMTJ loan file.*

* Generated monthly loan sale feed for reporting service team

Developed mappings to extract data from Oracle, Mainframe files, Flat files and generated flat files

Technologies and Methodologies:

Informatica 9.5, Oracle 11g, Shell Scripting, SQL, PL/SQL, Visio, ER Win, Agile, Dimensional Modeling

**Capital One, Rolling Meadows, IL Jan 2013 to Feb 2014**

**ETL Lead, ETL Designer**

Led a team of six on shore and off shore to provide data integration design and development using Ab Initio GDE/EME.

* Interacted with business community and conduct the source data analysis and business requirements analysis.
* Developed a standard ETL framework to enable the reusability of similar logic across the board. Involved in System Documentation of Dataflow and methodology
* Utilized all phases of the Software Development Life Cycle (SDLC) including project analysis, requirements gathering, design documentation, development, unit testing, user acceptance testing, implementation, post implementation support and maintenance

Technologies and Methodologies:

Teradata, Ab Initio 2.16 GDE/EME, Shell Scripting, Perl, SQL, Control-m, Agile

**Citibank, Columbus, OH Nov 2010 – Dec 2012**

**ETL Developer**

* Evaluated business requirements and prepared design and technical specifications within the boundaries of the enterprise architecture and standards.
* Coordinated and facilitated the technical aspects of the solution and was responsible for Ab Initio's application architecture and design; and overseeing the development activities supporting those designs.
* Perform code reviews and ensure compliance with application quality, coding, performance, and corporate standards
* Serve as the Ab Initio technical expert across teams, clients, and the information technology enterprise; providing best practices, definition and positioning
* Provide leadership, manage, develop, and coach a diverse team that can include technical analysts (on shore and offshore), developers and QA teammates

Technologies and Methodologies:

Oracle, Ab Initio 2.16 GDE/EME, Shell Scripting, Perl, SQL, Autosys, Agile

**Home Depot, Atlanta GA Feb 2010 - Nov 2011**

**Data Warehouse Designer**

Led and conducted data integration design efforts for the offshore ETL team

* XML data file generation in the continuous graph, DB2 and maestro ENV.
* Financial data set generation for retail business data mart in DB2 and maestro ENV.
* EDI data set generation for retail business in DB2 and maestro ENV.
* Migration of an existing application from UNIX environment to LINUX environment.
* Design and Implemented CAR conversion project under the environment of Ab Initio 2.15, LINUX, DB2 and maestro. The implementation involves parallel download from DB2 database and parallel upload to DB2 database.
* Designed and implemented PC Miler application under the environment of ab Initio 2.15, LINUX, DB2 and maestro. The work involved data transformations and an automated telnet script.

Technologies and Methodologies:

DB2, SUN Solaris, Ab Initio, Informatica 9.1, Perl/Shell Scripting, Maestro, SQL, PL/SQL

**JPMorgan Chase, Chicago, IL Apr 2008 - Jan 2010**

**Data Warehouse Developer Ab Initio Developer**

Work involved create business requirement document, create mapping document and create design document. The Graph used the following ab initio components: checksum, generate record, reformat, join, input table, output table, join with DB and update able. The job also involves control m design and implementation.

* Implemented the treasury data mart application in ab initio which are loading about 200 treasury files from 36 different sources daily. Treasure data mart calculates daily transfer pricing on its wholesale and retail CDs.
* Designed and implemented the pre processing graphs which cleansing the incoming source landing files.
* Designed and implemented the main engine which loads the data to 3 financial fact tables (loan, wholesale, swaps).
* Designed and implemented the recovery, reposting process and replication process.
* Designed and implemented load status tracking graph.
* Design and implement the credit card application.  The this application generated the customer monthly credit card
* Generated usage figures and created customer’s profile based on the monthly usage figures. The profile categorizes the customer   into Revolver, Transactor, Borrower and Dormant.
* Design and implemented the monthly account info graph.
* Design and implemented the customer profile graph.

Technologies and Methodologies:

Oracle 11g, SUN Solaris, Ab Initio, Perl/Shell Scripting, SQL, PL/SQL, Control-M, Waterfall

**All State, Northbrook IL May 2006 - Feb 2008**

**ETL Consultant**

* Analyzed the insurance premium and claim transactional data requirements, complex source data, and the data model, and determined the best methods in extracting, transforming and loading the data into the data staging, warehouse and other system integration projects.
* Designed logical and physical models on Oracle of 10+ dimension tables and 3 fact tables.
* Worked on performance tuning for extraction graph.  Reduced the number of components by 30% and the execution time of the new graph is less than 60% of the previous graph.

Technologies and Methodologies:

Mainframe, Ab Initio, Perl/Shell Scripting, SQL.

**EDUCATION**

**Master of Science in Computer Science**

The University of alabama, Tuscaloosa, AL

**Bachelor of Science in Computer Science**

Northwest University, Xian, China