**KALYA ARCHANA BHAT**

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**Summary:**

* 5+ years of professional experience in Information Technology.
* 5+ years of experience in Analysis, Design, Development, Testing, Implementation, Enhancement and Support of Data Warehousing applications
* Knowledge in Dimensional Modeling, Star and Snowflake schema
* Proficient in utilizing Informatica PowerCenter 9.x/8.x for developing the Data Warehouse loads as per client requirement
* Experience in developing ETL workflows involving various source and targets like Oracle, Flat Files, MS SQL Server
* Experience in developing complex mappings with the use of various transformations such as lookup (connected/unconnected, static/dynamic), source qualifier, expression, update strategy, router, sequence generator, aggregator, filter, joiner and sorter transformations.
* Experience in developing SQL queries
* Experience in UNIX shell scripting and FTP/SFTP in various UNIX environments.
* Strong Knowledge in Relational Database Concepts, Normalization and De normalization Concepts.
* Organized, dependable and possess excellent communication and client-interfacing skills.
* Possess excellent analytical skills.
* Strong ability to multi task and prioritize workload.
* Quick learner, highly motivated, detail oriented and able to work independently while being part of the team.

**Technical Skills:**

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| ETL : | Informatica Powercenter 8.6/9.0.1/9.1/9.5 |
| Database : | Oracle, MS SQL Server |
| Operating System : | MS Windows, Linux, Solaris, AIX |
| Languages : | Unix, SQL |
| Tools/Utilities : | TOAD for Oracle/SQL server/Data Analysts |
| Version Control : | Informatica Powercenter Repository Manager |
| Scheduling Tool : | Autosys, UC4 |
| Productivity : | MS Office Suite |

**Professional Experience:**

**Walmart eCommerce**

May 2015 -Present

Senior ETL consultant

Global Information Services Datawarehouse: GIS is the datawarehousing team in Walmart.com. I have worked within the Orders and Catalog subject area. Orders – we capture all the data around Sales orders placed on the site and various attributes about it like channel of sale, status, carrier, shipping method etc. Catalog – we capture all the dimensional data around products, offers and get attributes about it like product status, offer status, SKU distribution across .com and marketplace sellers, distribution centers, fulfillment types available per ship node etc. I was involved in 2 migration efforts – Orders and Catalog sources moved to a new system.

**Responsibilities:**

* Gather requirements for the migration effort. There was very minimal documentation available for the existing flow – therefore, we also had to complete documentation (mostly mapping document) to ensure we are capturing the complete flow. Consequently, we were able to capture what we need for the migration effort.
* Source to Target Mapping – We had to map the columns from the new sources to publish table columns. This involved meetings with the source teams, understanding the data by writing queries on source and target systems to ensure data quality is good.
* Offshore – We had an offshore team of 4 engineers. I had the responsibility to provide mentorship and ensure quality delivery by communicating with them on a daily basis.
* Code Review - Reviewed code developed by offshore team (mostly) to ensure proper coding standards are adhered to and also optimizing the code for efficient performance.
* Development – 40% of my time was devoted to development. I am proficient in most commonly used Informatica ETL components – mappings, transformations (Source qualifier, filter, joiner, aggregator, router, sequence generator, update strategy etc), mapplets, sessions, workflows etc. I have good knowledge of Unix scripting also(medium skill level) – used it to aid/invoke ETL processes.
* Consolidate legacy and new processes – The migration was planned in steps – that meant, for a long time, both the legacy and new processes ran. I was involved in Job design using Autosys scheduler to ensure proper dependency checks were in place while ensuring the batch completes in the least possible time.
* Migration of datawarehouse from Oracle to Teradata – Recently, we started our migration efforts to move into Teradata DW from Oracle. I have gained a very basic knowledge of Teradata database concepts and am continuing to learn.

**Environment:** Informatica PowerCenter 9.5, Oracle 11g, Teradata 14, Autosys 11.0,

**Bank of America, Charlotte, NC**

March 2012 – April 2015

ETL Developer, Production Support

Data Mining and Metrics: In this application, we collect fulfilment data (Global Fulfilment System) and servicing data (Global Servicing System) from flat files, Oracle and MS SQL DBs and transform the data in order for the clients to generate data metrics reports.

**Responsibilities:**

* Developed reusable Informatica components like shortcuts, Mapplets, Worklets, reusable transformations for better code management and cleaner code base**.**
* For better query performance worked with DBA to create additional indexes and gathered stats once a week.
* Tuned Informatica mappings using persistent cache, sorting rows where applicable etc
* Developed complex Informatica mappings using different types of transformations like Connected and Unconnected Lookup transformations, Router, Filter, Aggregator, Expression and Update strategy transformations
* Scheduled Informatica Workflows using Autosys scheduler
* Developed Unix shell Scripts for running Informatica workflows, archiving logs/source files
* Created Unit Test Cases and documented Unit Test Results
* Performed root cause analysis of the bugs and provided solutions
* Fixed bugs during unit testing and QA testing
* Actively participated in clarification meetings with the Clients
* Deployed Informatica code into production as well as provided Production support

Environment: Informatica PowerCenter 9.1, Oracle 11g/10g/9i/8i, PL/SQL, SQL Developer 3.0.1, Toad 11.

**Fidelity Investments, Bangalore, INDIA**

June 2011- Feb 2012

ETL Developer

Defined Benefits: Project involved development of a defined benefit plan administration system for end-clients. Fidelity is a record keeper of retirement benefits for many major US companies. It maintained an in-house system that helps the employees of the end-clients to track their benefit information. The business objective of the project was to have a centralized administration system that would cater to the needs of various end-clients. Our team was involved in building the Data warehouse to store the client confidential data.

**Responsibilities:**

* Performed Project Requirements Gathering, Requirements Analysis, Design, and development, testing for the ETL, Data warehousing and reporting modules of the project.
* Developed Informatica mappings using different types of transformations like Connected and Unconnected Lookup transformations, Router, Filter, Aggregator, Expression and Update strategy transformations.
* Effective use of some session properties – UPSERT using session properties (rather than update strategy), Indirect file loading method, enabling high precision to handle larger numbers, stop on error etc.
* Used some workflow tasks like session and command tasks
* Created Deployment groups in Informatica Repository manager – mostly used for version control and code migration
* Tuning of Informatica mappings and SQL queries for better performance.
* Use PMCMD command to execute the workflow from Unix environment.
* Autosys job design and schedule.
* Create Unit Test Cases and document Unit Test Results
* Perform root cause analysis of the bugs and provide solutions.
* Fix bugs during unit testing and system testing.
* Performed code enhancements according to new requirements from business. This involved understanding already existing Informatica mappings and subsequently making additional changes.
* Developed Unix scripts to execute Informatica workflows and basic file handling – source file archival for future reference, target file purge to effectively manage filesystem space.

**Environment**: Informatica Power Center 8.0 Work Flow Manager/Monitor, Erwin 4.0, Oracle 10g/9i, SQL, PL/SQL,TOAD, SQL \* Loader, Sun Solaris 2.6, UNIX Shell Scripting

**Education & Certifications**

M.S. in Computer & Software Engineering, International Technological University, San Jose, CA

B.Com University of Bangalore, Bangalore, India-2011