**Abhishek**

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**Summary:**

* Over 9+ years of IT experience in software Analysis, Design and Development of various software applications in client server environment.
* 5 years of experience in providing Business Intelligence solutions in Data Warehousing for Decision Support Systems and OLAP application development.
* Extensive experience in developing strategies for Extraction, Transforming and Loading mechanism using Ab Initio in Banking and Health Care Industries.
* Very good knowledge of Data Warehousing concepts and Dimension Modeling like Star Schema and Snowflake Schema.
* Worked in all phases of Software Development Life Cycle (SDLC).
* Experienced in Ab initio Plan-it to prepare Plans to replace Shell Wrapper Scripts.
* Excellent Skill in Ab initio EME, Migrations and all other Administrative tasks.
* Extensive knowledge of Hive for data warehousing and ETL processes
* Much familiar in writing UNIX shell scripting and AutoSys Jil scripts for Job Scheduling.
* Proficient in Relational Database Management Systems Oracle, Teradata, SQL Server.
* Good programming skills in SQL, PL/SQL, Teradata Macros.
* Very Good knowledge of working with Ab Initio GDE, EME, Express>It, Query>It, Conduct>It and Co>operating system.
* Involved in development of ETL applications following Agile (Scrum) Methodology.
* Well versed with various Ab Initio parallelism techniques and implemented Ab Initio Graphs using Data parallelism and Multi File System (MFS) techniques.
* Extensively experienced in using ETL tools like Ab Initio, Informatica Power center.
* Extensively used ETL methodologies for supporting Extraction, Transforming and Loading of data to and from heterogenous systems.
* Designed and implemented complex ETL processes using T-SQL, optimizing data extraction, transformation, and loading for large-scale datasets.
* Conducted performance tuning of T-SQL queries to enhance data processing efficiency and reduce execution time.
* Good understanding of Ab Initio SANDBOX and Graphs parameters to make the graph generic.
* Experience working with continuous graphs.
* Expert in writing Unix shell scripting and used it for automating many client processes.
* Worked on Teradata utilities like Fast Load, Multiload, BTEQ and Fast Export to export and load data to different source systems including flat file.
* Expertise and well versed with many of the Ab Initio components like Transform, Sort, Lookup, Dedup sort, Partition, Gather, Scan, Database components and FTP.
* Had converted several Complex PL/SQL procedures into Ab initio graphs.
* Developed numerous Ab Initio ETL graphs to load and unload data from oracle database tables using Input tables and output table components.
* Very Good Experience with Relational Databases, Oracle and DB2.
* Have experience in preparing Requirement Document (FRD), Technical Design documents (TDD), Functional, Unit Test Case Documents (UTD) and Code review document (CRD).
* Good understanding about working of Control-M scheduler.
* Provided Production support to the multiple projects, analyzing issues and debugging the graphs.
* Excellent Analytical and problem-solving skills.
* Very good professional written and verbal communication skills.

**Technical Skills:**

ETL Tools: Ab Initio 3.x, Informatica Power Center

OS: Unix, Linux, Windows

Databases: DB2 (Teradata 15/14), MS SQL Server, Oracle 10g/9i/8i

Languages: SQL, PL/SQL, BTEQ, TPT, XML, Unix Shell Scripting, Korn Shell (Ksh)

Microsoft Office: MS Viso, MS Excel, MS Access

BI Concepts: OLAP, OLTP, Data Marts, Dimensional Modeling.

**Work Experience:**

**Citi Group, Tampa, FL Feb 2021 to Present**

**ETL Tech Lead**

**Description:** MAP is the metrics automation Platform and an enterprise-wide tool and is used to generate the ICG KYC monthly global scorecard (GSC). GSC is the golden source of ICG KYC population management and contains all business-required information about the clients including their KYC complaint status, any default in KYC, KYC exemptions and remediation populations. MAP also produces many other reports at regional, country, account and product level based on the monthly global scorecard. This understanding will pave the way for the development of a more enhanced KPM tool for future KYC data-metrics needs to support timely KYC, Avoid AMtomanass business risk and report more accurate KYC population.

**Responsibilities:**

* Developing the Talend jobs, Test and migrate it to higher environments.
* Designed and developed ETL processes using SAP Data Services to extract, transform, and load data from various sources into [target systems/data warehouses].
* Developing scripts to automate repetitive tasks, improving efficiency.
* Creating robust applications, using frameworks like Django or Flask for web development.
* Integrating database components into larger software solutions. Collaborated with data modelers and business analysts to create efficient data models in MSSQL, facilitating accurate reporting and analysis.
* Utilized Visual Studio for version control, debugging, and deploying ETL solutions, ensuring smooth integration with existing systems.
* Integrating Python scripts for tasks like deployment automation, infrastructure management, and continuous integration.
* Integrated and supported PeopleSoft ERP systems, developing custom interfaces and data integration solutions.
* Developed complex ETL processes in Ab Initio to extract, transform, and load data into Hive data warehouses.
* Tuned Hive queries for improved performance by optimizing query execution plans and indexing strategies.
* Designed and deployed data storage solutions on Azure, ensuring data security and compliance.
* Collaborated with Azure DevOps for continuous integration and deployment of ETL pipelines, enhancing overall system reliability.
* Collaborated with functional teams to understand business processes and requirements, ensuring seamless integration with PeopleSoft modules.
* Implemented ETL processes in a cloud environment, leveraging Azure services such as Azure Data Factory for scalable and flexible data integration.
* Conducted troubleshooting and provided technical support for PeopleSoft-related issues
* Collaborated closely with data analysts and business stakeholders to gather requirements and ensure alignment with business objectives and Implemented data quality checks and cleansing procedures.
* Created comprehensive documentation for ETL processes, data models, and Hive queries for knowledge transfer and onboarding of new team members.
* Development,Building server-side logic, handling databases, and ensuring smooth interactions between the front-end and server.
* Designed and developed data extraction, transformation, and loading processes in SAP Data Services, ensuring data quality, accuracy, and consistency.
* Provided expert consulting services in SAP Data Services, assisting clients in architecting, designing, and implementing ETL solutions tailored to their specific needs.
* Experience in end-to-end development of data warehousing projects, right from requirement analysis, Preparing HLD & LLD, environment setup, design analysis, down-stream analysis, coding, testing and documentation and optimizing the design wherever possible.
* Team worker. Effective communicator with excellent relationship building & interpersonal skills. Coordinating with team for better understandings and better results.
* Setting up the Connect Direct in SIT/UAT/PROD/COB.
* Writing and executing tests to ensure code quality and functionality.
* Testing connectivity between partner systems through NDM and SFTP.
* Involved in creation of AutoSys jobs.
* Troubleshoot and support in production issues.
* Setting up Cyber Ark password module in all the environments.
* Ability to handle projects with stipulated timelines. Providing technical support to STE and SIT teams, helping in achieving project deadlines.
* Coding and designing graphs, with optimal components, in compliance to coding standards.
* Troubleshooting and resolving technical issues related to Talend installations and configurations.
* Installing and configuring Talend software and its components.
* Using Python for system-level tasks, like configuration management or monitoring.
* Managing user access and security permissions within the Talend environment.
* Monitoring and maintaining the health and performance of Talend jobs and workflows.
* Performing backups and restores of Talend metadata and configurations.
* Designing and developing data integration workflows using Talend Studio.
* Extracting, transforming, and analyzing data using Talend Studio.
* Creating data queries, transformations, and visualizations to derive insights and support decision-making.

**Technology:** Talend 7.3.2, UNIX, AutoSys , Oracle 12,19c, Visual Studio, SSIS, MSSQL Cyber Ark, HLD & LLD, IBM-Connect Direct-NDM, Team city,Udarlen Jankios Autrexs, SAP Data Services, Bitbucket.

**Citi Group, Tampa, Florida January 2020 to February 2021**

**ETL Developer**

**Description:** I have played a pivotal role in driving the success of data warehousing and ETL projects through my comprehensive skill set and proactive approach. By contributing to High-Level Design (HLD) preparation and participating in crucial application dependency check meetings, I have ensured the seamless integration of new features. My expertise extends to knowledge transfer sessions, where I effectively delivered insights to the production team, enabling them to adopt new functionalities seamlessly. I have demonstrated proficiency in creating Mapping Design Documents (MDD) and Technical Design Documents (TDD), which have served as crucial guides for successful implementations**.**

**Responsibilities:**

* Involved in HLD preparation and application dependency check meetings.
* Delivering KT to prod team on new features.
* Created MDD and TDD documents.
* Planning and executing upgrades to newer versions of PeopleSoft.
* Ensuring compatibility with existing customizations and integrations.
* Experience in Release activities and Rapid deployment
* Prepared custom-made scripts to generate psets/dmls to reduce overall development effort and to enforce standardization.
* Perform development of ETL application, including ensuring that system and integration test plans are developed and executed.
* Actively promotes and participates in process improvement. Be part of architecture review team and assist in development of processes and applications.
* Provide technical consultation and support in the development of ETL applications and programs for data warehousing class of system.
* Provide critical thinking to develop creative and innovative solutions to the business problem.
* Work in On-site/Off-shore Team, Guide other ETL Developers.
* Ab-initio, SQL, XML, XSD, PL/SQL, UNIX, AutoSys.
* Knowledge of Oracle databases, UNIX environment, UNIX shell scripts.

**Environment:** Ab Initio (GDE V3.0.4.2, GDE V4.0.2.0)), Co-Op V3.0.2, Visual Studio, SSIS, MSSQLOracle 12 to 19c Unix, Korn Shell Scripting, Ab initio Control center.

**Equinix, Sunnyvale, CA December 2018 to 2019**

**Ab Initio Developer**

**Description:** I have been at the forefront of delivering impactful solutions throughout the complete data warehouse development lifecycle by closely collaborating with Marketing and Business stakeholders. My role has encompassed a broad spectrum of responsibilities, ranging from requirements gathering and analysis to seamless project delivery. Leveraging the power of Ab Initio components, I have successfully extracted, transformed, and loaded data from diverse sources such as flat files and XMLs to targeted data marts. Employing an array of Ab Initio tools, including intricate components like Join, Rollup, and Dedup-Sort, I've ensured data quality by cleansing and refining information**.**

**Responsibilities:**

* Interacting with Marketing/Business stake holders, gathering Requirements, Analyzing, and managing the delivery, covering the entire Data Warehouse development lifecycle.
* Used components of Ab Initio to extract, transform and load data from multiple data sources like Flat files, XMLs etc. to target data marts.
* Cleansed the data using various Ab Initio components like Join, Rollup, Dedup-Sort, Reform, Replicate, Partition by expression, Partition by Key, Partition by round robin, Scan, Filter by Expression, Gather and Merge.
* Written Unix scripts in the Ab Initio Graphs.
* Much familiar with the concept of Sand box, EME for check in & checkout process.
* Modified the Ab Initio component parameters, introduced phases, checkpoints to avoid deadlock, utilized data parallelism and thereby improving the overall performance to fine-tune the execution times.
* Designed and Built Ab Initio Graphs for unloading data from different source systems.
* Responsible for different Data mapping activities from Source systems to Teradata.
* Good experience with dml utilities like m\_db, Cobol-to-dml.
* Extensively used EME for Version control and Code Promotion.
* Involved in tuning of SQL queries to improve performance of the Graphs.
* Tested Ab initio graphs in development and Test environments using test data, fine tuning the graphs for better performance and migrated them to the Production environment.
* Extensively used the Teradata utilities like BTEQ, Fast load, Multiload, DDL Commands and DML Commands (SQL).
* Helped entry level resources in understanding the workflow and on boarding into the team.
* Developed Ab Initio Graphs with complex transformation rules through GDE.
* Developed Complex Ab Initio XFRs to derive new fields and solve various business requirements.
* Developed several Unix wrapper scripts to schedule Ab initio Graphs and implemented Restorability
* Extensively used EME for Version Control and Code Promotion.
* Written Unix scripts to automate Ab Initio processes.
* Created Test data to help QA team in testing of the Ab Initio Graphs.
* Written various dml and dbc files.

**Environment:** Ab Initio (GDE V3.0.4.2), Co-Op V3.0.3, Oracle 10g, Teradata, Unix, Korn Shell Scripting Control-M.

**First Data Corporation, Omaha, NE September 2016 to November 2018**

**Ab Initio Developer**

**Description:** I have been at the forefront of critical project phases, engaging in both high-level and detailed designing to create efficient and impactful data solutions. By expertly extracting data from diverse sources such as databases, delimited flat files, and XMLs, I have ensured a robust foundation for analysis and transformation. One standout module involved orchestrating Continuous graphs, integrating Ab Initio queues from Tibco sources, and utilizing JMS subscribe and publish mechanisms for seamless processing. In the realm of Ab Initio development, I have been instrumental in crafting intricate graphs tailored to specific business requirements. My role extended to enhancing application performance significantly through Ab Initio's performance tuning techniques, ensuring optimal execution times

**Responsibilities:**

* Involved in High level designing and detailed level designing.
* Extracted data from various sources like databases, delimited flat files and XMLs.
* Worked on Continuous graphs in one module where we used to get Ab initio queues (from Tibco source) and used to process through JMS subscribe, JMS publish.
* Developed various Ab initio Graphs based on business requirements using various Components.
* Developed Ab initio graphs.
* Involved in decreasing application run times significantly by using performance tuning procedures of Ab initio.
* Used Ab initio Pan>it to Keep the Job Dependencies Workflow.
* Test Ab initio graphs in development and migration environments using test data, fine tuning the graphs for better performance and migrate them to the Production environment.
* Extensively used lookups to Increase the performance of the graph to avoid Joins.
* Extensively used air commands For Ab initio code migrations, Check-in, check outs.
* Written Shell Scripts to schedule the Ab initio Graphs by supplying parameters.
* Extensively used Ab Initio Parallelism feature of Component, Data and Pipeline parallelism.
* Review the test case results with the team and report the results to business accordingly.
* Testing the graph once development is completed and preparing Unit test case documents, code review documents.
* Development of source Data profiling and analysis - review of data content and metadata will facilitate data mapping and validate assumptions that were made in the business requirements.
* Used Partition components like partition by expression, partition by key, etc., to run the middle layer processing parallel.
* Effectively used Multi file system (MFS) to execute the graph parallelly.
* Extensively worked in the UNIX environment using Shell Scripts.

**Environment:** Ab Initio (GDE 2.14, Co>Op 1.14), Oracle 10g, SQL, Linux

**Sonata software Corporation – Hyd,Telangana**. **Feb 2013 – Aug 2015**

**Ab Initio Developer**

The purpose of this project is to develop an application that creates a valuable data source that helps in developing decision support system (DSS).

**Responsibilities:**

* Involved in the meeting with Business Analysts to finalize the requirements and documented them.
* Created Design documents for the implementation of the project.
* Responsible for Performance-tuning of Ab Initio graphs.
* Used Command line check-in, checkouts.
* Used the Ab Initio Web Interface to Navigate the EME to view graphs, files and datasets and examine the dependencies among objects.
* Used top down approach for the creation of the Data Marts.
* Test Ab Initio graphs in development and migration environments using test data, fine tuning the graphs for better performance and migrate them to the Production environment.
* Created Ab Initio Scripts to Extract, Transform and Load data from various source systems like flat files, XML files etc. to Oracle Database.
* Involved in development of complex and efficient SQL scripts in the process of debugging various Ab Initio graphs.
* Performed Lookups, lookup local, In-Memory Joins and rollups to speed up various Ab Initio Graphs.
* Utilized Oracle Database in the development of reports for the business users.
* Led a small team of 3 to deliver a develop an efficient application using AB Initio architecture.
* Used various multi and single stage components like Rollup, Normalize, Dedup sort, reformat to create the graphs.
* Involved in unit testing the application and deployment.
* Experience in writing Jil Scripts to submit AutoSys Jobs.
* Involved in Design documentation of the whole project.

**Environment:** Ab Initio (GDE 1.14.30), Co-Op 2.14.74, Oracle 10g, Unix, Linux, AutoSys.

**Educational Qualifications:**

* Masters (MSCIS), California University of Management and Sciences -2017
* B. Tech (IT), St. Peters engineering College -2012