**Summary**

* **6+ years** of experience in IT industry in the areas of analysis, design, development and implementation of application software.
* 4+ years of experience in **Ab Initio** ETL, Data Warehousing, Data Cleansing, Transformation and Loading in a complex, high-volume environment.
* Having extensive programming skills in **Ab Initio** ETL tool, **SQL, ORACLE, TERADATA and UNIX Shell scripting.**
* Practical Experience with various **Ab Initio** components such as Join, Rollup, concat, gather, interleave, Dedup sorted, merge, Scan, Partition, Validate, FTP etc.
* Created database objects like Procedures, Functions, Packages, Triggers, Indexes and Views using T-SQL in Development and Production environment for **SQL Server**.
* Developed Database Triggers to enforce**Data integrity** and additional **Referential Integrity**.
* Developed **SQL Queries** to fetch complex data from different tables in remote databases using **joins**, database links and formatted the results into reports and kept logs.
* Configured **Ab Initio** environment to talk to database using Input Table and output table Components. Involved in providing production support to various **Ab Initio** ETL jobs.
* Worked on **continuous flows** and developed graphs for batch processing.
* Created graphs that produce usable output while the graph runs continuously, using various **Continuous flow** components.
* Used Ab Initio **BRE** (Business Rule Engine) for the design and development and also to evaluate and

execute the system test plans.

* Have created a complete framework using Ab Initio **Plan>It** and **Conduct It** for production systems that consists of Ab Initio graphs, custom scripts, and third-party programs and made the systems to run as expected and recoverably.
* Extensively used **Ab InitioEME** data store/sandbox for version control, code promotion, and impact analysis.
* Used **EME** for checkout of **graphs, dmls and xfrs** into my sandbox and modified as per the requirement.
* Used **FAST EXPORT, FAST LOAD, and MULTI LOAD** utilities for data un-loading and loading activities in **Ab Initio** ETL.
* Well versed with various **Ab Initio** parallelism techniques and implemented **Ab Initio** Graphs using Data parallelism and Multi File System (MFS) techniques.
* Good hands on experience with development methodology like **Agile methodology** and **waterfall methodology.**
* Having extensive knowledge on Data modeling concepts, Data profiling and Meta Data concepts.
* Developed various UNIX shell wrappers to run various **Ab Initio** jobs.
* Practical experience with working on multiple environments like production, development, testing. Automation of load processes Using Autosys and Control M.
* Strong knowledge in Dimensional modeling like Star Schema and Snowflake Schema.
* Extensively used ETL methodologies for supporting data extraction, transformations and loading processing using **Ab Initio**.
* Experience in working on multiple Projects at one time.
* Experience in UNIX Shell Scripts including Korn Shell Scripts, Bourne Shell Scripts.
* Experience in integration of various data sources with Multiple Relational Databases like Teradata, Oracle, SQL Server, and MS Access.
* Good exposure to SQL, PL/SQL stored procedures, Triggers and Packages.
* Ability to co-ordinate effectively with development team, business partners, end users and management
* Vast experience in work environment with a mix of onsite-offshore Global Delivery model.
* Experience in reviewing and monitoring project progress, planning & managing dependencies and risks, Resource Planning, Project Budget Tracking and Forecasting.
* Strong analytical & problem solving skills.
* Excellent written and oral communication skills.

**TECHNICAL SKILLS**

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| --- | --- |
| **ETL Tools** | **Ab Initio GDE3.0.2, CO>OP 3.0.2 (GDE1.xx/3.xx, CO>OP 3.0.x, 2.10.x, 2.15.x)**, Erwin 8.0/2011, Microsoft Visio 2000,SQL Server |
| **Tools** | AutoSys, Tivoli, SQL Loader, WinSQL 5.0, TOAD |
| **OS** | UNIX AIX 5.3, OS/390 z/OS 1.6, Windows 95/98/NT/ME/00/XP, UNIX, MS-DOS, Sun Solaris 5.8, Linux 8x |
| **Databases** | Teradata , Oracle 10g/11g, MS SQL Server 2005/08 |
| **Languages** | VB.NET ,C#, JAVA, SQL, PL/SQL, and Transact-SQL |
| **Packages** | SQL\* PLUS, Toad 7.x, SQL Loader, Erwin 7.0. |
| **Scripting** | UNIX Shell (Ksh/Csh), JavaScript. |
| **Web** | HTML, DHTML, XML |
| **Others** | Visio Professional, Mercury Quality Center |

**PROFESSIONAL EXPERIENCE**

**AIG,Berkeley Heights February 13 – Current**

**Ab Initio Consultant**

American International Group, Inc. (AIG) is a global insurance company. The Company provides a range of property casualty insurance, life insurance, retirement products, mortgage insurance and other financial services to customers in more than 130 countries. It diverse offerings include products and services that help businesses and individuals protect their assets, manage risks and provide for retirement security. It earns revenues primarily from insurance premiums, policy fees from universal life insurance and investment products, and income from investments.

**Responsibilities:**

* Migrated Ab Initio graphs from version 2.15 to 3.0 successfully in 2 different projects which consists of more than 100 graphs.
* Created 4way, 8way and 16way multi file system directories, converted all the serial running graphs to parallel and identified the best suited depth and thus improved the runtime of graphs. Created the Multifile system which span across 2 different server which provides the advantage of using more CPUs on the server
* Took the advantage of “component folding” feature by converting script generation of all the graphs to “Dynamic”
* Tracking all the run statistics of the graphs in the technical repository by using the “-reposit-tracking” feature gave more insight on various run statistics of the graphs.
* Implementation of PSETS for all the generic graphs enabled better traceability in the TR.
* Resolved all the dependency analysis warnings by assigning appropriate EME values to the parameters.
* Performed many SAN reduction activities which include
* Reading the very big Input files of the graph in compressed format.
* Proper data archival activities from tier 1 to much cheaper tier 3 storage.
* Implementation of shared catalog lookups
* Deleting the very huge input file after successful completion of the phase
* Used Ab Initio recommended dynamic differencing graph for finding the Adds, Deletes and difference records between the datasets.
* Used Ab Initio recommended SFTP multiple from utility to SFTP multiple files using the wild cards across different hosts.
* Used Ab Initio recommended code promotion process using TRMC and code promotion script.
* Used AB\_NICE parameter to properly set the priority of the jobs that executes in different environments. Used various AB\_\* parameters in the abinitiorc file for various purposes.
* Extensively used TRMC for Lock management, tag creation and for creating the save file.
* Load time of the graphs has been reduced by partitioning the tables in DB2 and used IBM DB2 recommended roll-in and roll-out strategies.
* Used IBM recommended deep compression techniques to reduce SAN usage of the Database.
* Worked on evaluation of Ab Initio products - Conduct>It.
* Extensively used meta programming functions like make\_expression, read\_file,record\_infoetc for dynamic generation of XFR.
* Extensively used qualified wild card rules for transform
* Developed various reusable components for various projects like dynamic generation of header from DML, Separation of data into different excels with header dynamically, creation of insert statement based on data and DML, dynamic generation of the ablocal expression in the input table component etc.

**Environment:**Ab Initio 3.0, TR, TRMC, Unix (Sun Solaris), DB2, Windows XP, Autosys, HP Quality center, PVCS, eRoom, Cognos and Java

**JPMC, Columbus. January 12 – January13**

**Ab Initio Consultant**

The Company is a global financial services firm and a banking institution in the United States, with global operations. The Company is engaged in investment banking, financial services for consumers and small businesses, commercial banking, financial transaction processing, asset management and private equity. JPMorgan Chase’s principal bank subsidiaries are JPMorgan Chase Bank, National Association a national bank with the United States branches in 23 states.

**Responsibilities:**

* Design and development of **ETL** process using **Ab Initio** as the tool.
* Define & build the data transmission mechanism for receiving and sending data into/from the repository (**EME**).
* Establish process to consolidate data received from different external systems into the repository.
* Data verification and validation processes.
* Created Ab Initio graphs to build business logic to extract data from different external systems, validate, transform and load data to Teradata.
* Used Enterprise Meta Environment (EME) for version control.
* Have created Plan>It jobs that consists of Ab Initio graphs, custom scripts, and third-party programs and made the systems to run as expected and recoverably.
* Performed the ongoing delivery, migrating client mini-data warehouses or functional data-marts from Oracle environment to Teradata.
* Involved in Ab Initio Graph Design and Performance tuning to Load graph process.
* Implemented a multi-file system that is composed of individual files on different nodes that arepartitioned and stored in distributed directories.
* Extensively used most of the Abinitio components like Assign by key, Reformat, Join, Filter byExpression, Partition by Key, Sort, Rollup, Normalize, Denormalize, Lookup and many more components.
* Data parallelism and Pipeline parallelism features were used in graphs to enable fasterprocessing and lesser ETL response time.Implemented Multifile system that is composed of individual files on different nodes that arepartitioned and stored in distributed directories (using Multi directories).
* Designed and deployed well-tuned AbInitio graphs (Generic and Custom) for ODS and DSSinstances and created Sub-Graphs for code reusability in both windows and UNIX (K-shell Scripting) environments.Performance and Tuning and Recovery issues with Oracle Database.
* Unit testing and updating currently implemented graphs, logic, and scripts.
* Developed Unix shell scripts for executing the graphs/jobs.
* Involved in developing Unix Korn Shell wrappers to run various Ab Initio Scripts.
* Worked with providing the 24x7 support on production, development and testing environments.
* Effective team player and excellent team leading capabilities, strong in decision making, workingthrough challenges.
* Hands on experience using PlanIT to create a complete production-ready plan or sub planconsisting of Ab Initio graphs, custom scripts, and third-party programs.
* Transformations using SQL Server Integration Services (SSIS).
* Ability to handle multiple tasks, initiative and adaptable. Proactive team player with capability ofhandling responsibilities independently as well.

**Environment:** Oracle 11g, NCR Teradata V12, **Ab Initio** (GDE1.15, Co>Op 2.15) (GDE 3.x, Co>Op 3.x), ERWIN, Sun Solaris.

**Southwest Airlines, Dallas.January 10 – Nov. 11**

**Ab Initio Consultant**

Southwest Airlines Co., incorporated in 1967, operates Southwest Airlines, a passenger airline, which provides scheduled air transportation in the United States.. Southwest provides point-to-point. Company’s AirTran’s route system provides hub-and-spoke, rather than point-to-point, service, with approximately half of AirTran’s flights originating or terminating at its hub in Atlanta, Georgia.

**Responsibilities:**

* Responsible for translating technical design documents into detail design documents using skill sets like **Ab Initio** graph detail design/development/unit.
* Designed and Developed Oracle PL/SQL and Shell Scripts, Data Import/Export, Data Conversions and Data Cleansing.
* Produced technical requirements, project plans, test plans, implementation plans, and data quality processes for new implementations and prepared necessary system documentation as required.
* Constructed an ETL system using the **Ab- Initio** tool providing a fast development in a unified environment that will allow for easy maintenance of the system for the future. This system will also need to be available for production extracts on a scheduled and/or ad-hoc basis.
* Designed and created Database objects: Indixes, Views, Procedures, Packages and Triggers.
* Had participated in software development projects to develop logical and physical data models and to capture application specific ETL metadata and workflows.
* Designed, created and maintained all Interfaces schedulers Using Autosys.
* Created **Ab Initio** graphs to build business logic to extract data from different external systems, validate, transform and load data to Oracle.
* Worked on data loads using Oracle PL/SQL and SQL\*Loader.Created PL/SQL triggers and Cursors.
* Extracted huge volumes of data from legacy systems and uploaded into Oracle using SQL\*Loader and PL/SQL.
* Leveraged Explain Plan and TKPROF to improve query performance.
* Performance tuning of PL/SQL Scripts.
* Creating ETL Scripts & Procedures to extract data and populate the data warehouse using Oracle.
* Created summarized tables, control tables, staging tables to improve the system performance and as a source for immediate recovery of Teradata database.
* Performance and Tuning and Recovery issues with Oracle Database.
* Responsible for creating test cases to make sure the data originating from source makes it to the target in the proper format.
* Data **verification and validation** processes.
* Automation and scheduling of UNIX shell scripts and **Ab Initio** sessions and batches using Autosys.
* Created **Ab Initio** graphs to build business rules to extract data from **Oracle, Mainframe, Flat File and validate,** transform and load data to **Oracle DB or Flat File**.
* Performance and Tuning and Recovery issues with **Oracle** Database.
* Design and development for process scheduling using Autosys and Conduct It.
* Unit testing and updating currently implemented **graphs, logic, and scripts.**
* Developed **UNIX** shell scripts for executing the graphs/jobs.
* Involved in developing **UNIX**Korn Shell wrappers to run various **Ab Initio** Scripts.
* Involved in data **migration from Oracle to Teradata**
* Designed and developed graphs with web service components
* Worked with providing the 24x7 supports on production, development and testing environments.
* Effective team player and excellent team leading capabilities, strong in decision making, working through challenges.

**Environment:** UNIX, Windows XP, Ab Initio GDE1.x, Co>Operating System 2.x, Ab Initio 1.x,

Co>OP 2.x ,Oracle, Teradata.

**Exelon, Chicago, IL. Oct 08 –June 10**

**ETL Developer.**

**Responsibilities:**

* Created Oracle PL/SQL queries and Stored Procedures.
* Extensively worked in the performance tuning of the programs, ETL Procedures and processes.
* Wrote precise, reusable ETL specifications and patterns to facilitate development of best practices and internal competencies.
* Had participated in requirement meetings with Business Analysts and ETL Architect to understand Source and Data warehouse data model, technical metadata and cleansing/transformation rules.
* Had conduct required source system **analysis** and data availability audit.
* Provided deep technical expertise and direction in architecting, designing, developing, deploying, monitoring, supporting and administering Data Warehouse Solutions.  
  Responsible for analyzing source and target data models and making necessary changes.
* Responsible for creating the Multi-file, which gives the user the ability to centrally control the distributed data files and they provide the scalability and the kinds of access patterns that parallel applications require.
* Constructed an ETL system using the **Ab- Initio** tool providing a fast development in a unified environment that will allow for easy maintenance of the system for the future. This system will also need to be available for production extracts on a scheduled and/or ad-hoc basis.
* Responsible for translating technical design documents into detail design documents using skill sets like **Ab Initio** graph detail design/development/unit.
* Had performed development and test extraction, transformed and loaded (ETL) processes packaged as part of a large data warehouse application using **Ab Initio**, PL/SQL and Unix Scripts.
* Involved in analyzing and helping to re-engineer COBOL Legacy applications and developed new application with **Ab Initio** graphs so that the client can review COBOL applications and derive the data transformation logic in **Ab Initio.**

**Environment:** Oracle 9i/8i, ER Win 5., Ab-Initio 1.13 GDE with co-op, Unix, AUTOSYS, EMC BCV storage disk, SQL, SQL\*Loader,MS Excel macros, Ab Initio Continuous flows ,Novell Identity Manager, Windows NT/2000.

**ICICI Bank Ltd, Delhi, India Aug 06 -Sep 08**

**SQL Developer**

**Responsibilities:**

* Participated in developing logical model and implementing requirements on SQL Server 2000.
* Plan, design, and implement application database code objects, such as stored procedures and views.
* Build and maintain SQL scripts, indexes, and complex queries for data analysis and extraction.
* Provide database coding to support business applications using T-SQL.
* Wrote complex T-SQL queries and stored procedures for Online Trading Application of Sharekhan.
* Created new tables, views, indexes and user defined functions.
* Closely worked with Sr. DBA and Sr. Developers to fasten certain daily jobs and stored procedures.
* Involved in performance tuning of T-SQL queries and worked with nested stored procedures.
* Created joins and sub-queries for complex queries involving multiple tables and fields.
* Develop new processes to facilitate import and normalization, including data file for counterparties.
* Ensure best practices are applied and integrity of data is maintained through security, documentation, and change management.
* Worked on development on various reports and fact sheets using SQL Reporting services.
* Successfully created schema change scripts to existing objects to synchronize with changing business rules.

### Environment: Windows 2000 Server, MS SQL Server 2000, SQL, T-SQL, SQL Query Analyzer, MS Office 98, VB 6.0.

**EDUCATION:** Bachelor's Engineering ( Beant College of Engineering and Technology Punjab) Passed out 2006