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| **Summary** |
| * Principal BIAnalystwith almost 7 years of IT experience across verticals in the Data warehouse implementations with **ETL Tools Pentaho Kettle,MS SQL Server tools**& **Informatica.** * Understanding of**Logical/Physical Relational/Dimensional Database Modeling Designing**. * Experience in Widespreadlife cycle including project scoping, requirements gathering, systems analysis, design, development, testing and maintenance. * Technical expertise in various ETL and Reporting tools with command on entire **Pentaho BI Suite,Pentaho Data Integration (Designer/Kettle), Pentaho Report Designer, Pentaho Schema Workbench, Pentaho BI Server, Pentaho Analysis View, Pentaho Analyzer**. * Knowledge of processes like rule extraction, rule analysis, rule flows, and rule base design. * Installed and configured **PentahoBI Server on Red Hat Linux and Windows Server 2003/2008**. * Strong Experience in using Dimensional Data Modeling, **Star Join Schema Modeling, Snowflake Modeling, FACT and Dimensions Tables**. * Experience in creating SQL Logins, Roles and Authentication modes as a part of security policies for various categories of users. * Experience in using **BCP**utility and Bulk Insert commands while working with Flat files. * Hands on experience in ETL and tools like **DTS, SSIS, SSRS, SSAS and Crystal Reports**. * Experience in writing, testing, and implementation of the **triggers, stored procedures, functions, views, materialized views, Cursors** at thedatabase level using SQL, PL/SQL for Oracle DB. * Extensive knowledge of Relational Database Management Systems including MS SQL Server 7.0/ 2000/ 2005/2008 R2, Oracle 8i/ 9i/ 10g, DB2and Teradata. * Valuable experience in writing **MDX queries** while creating and customizing Cubes using SQL Server Analysis Services (SSAS) 2005/2008. * Experience in working with **SSAS** in creating **cubes,** data source views, named queries, dimensions and deploying of analysis services projects. * Experience in creating packages with several interconnected mappings and variables to conform to the standard source to target mapping requirements. * Have been vigorously involved in optimization of **ETL End-to-End Process** and Wrote JavaScript’s. * Extensively worked with **SCDs**- slowly changing dimensions **Type 1, Type 2, and Type 3.** * Wide experience and knowledge in developing**Informatica Mappings, Mapplet, and workflows**. * Experienced in documenting distinct stages of developing reports and setting them up on **Enterprise Report Servers**. * An expert in creating and debugging database procedural constructs like **Stored Procedures, Functions, Packages, Triggers, Cursors, and user defined Object Types**. * Expertise in decision support systems and Client/Server applications as working with business users and provided production support. * Interpret requirements to architect the BI & ETL Solutions and Interacted with clients for change request understanding to enhance & designing Reports, dashboards. * Demonstrated leadership, teamwork abilities as well as ability to accomplish tasks under minimal direction and supervision. * Excellent professional Communication, Interpersonal skills, problem identification and resolution skills, self- motivated and great listener. |
| **technical skills**  |  |  | | --- | --- | | **Languages:** | C, Java, SQL, PL/SQL,MapReduce, Data warehousing | | **UI technologies** | HTML5, CSS, JavaScript, jQuery | | **ETL tools** | Pentaho Kettle6.x/5.x, Informatica PowerCenter 9.x/8.x,BI Development Studio, SSIS, SSAS | | **Software Methodologies:** | SDLC, Waterfall, Agile | | **Database:** | Oracle 10g/11g, SQL Server 2008/2012/2014, DB2, Sybase, MS Access 2007/10/13 | | **Database Tools:** | SQL Management studio, SQL Developer, SQL Loader, SQL Assistant, Vertica | | **Web Application Servers:** | SQL server 2008/12/14, IBM Web Sphere 6.x, Web Logic Server 10, Apache Tomcat | | **Platform:** | Windows, Linux, Unix (Shell Scripting) | | **Reporting:** | Pentaho report designer, Jasper report, Microsoft PowerBI, Pentaho CDE, Tableau 9.0.18, SSRS | | **Testing and Versioning:** | CVS, SVN, HP QC | | **Tools:** | Ant, DocuSign, MS-Office2010/2013,Adobe Dreamweaver, Eclipse, GitHub, AutoSys | |
| **Professional Experience** |
| **ideacrew**, Washington, D.C. NOV2016 – present **“Sr. ETL Analyst - SQL Server/SSIS/SSRS/SSAS Developer””**.  Responsibilities:   * Extensively worked with the **business and data analysts in requirements** gathering and to translate business requirements into technical specifications. * Prepared detailed design documentation, including**ETL packages** using **SSIS** to validate, extract and load data to **Data Warehouse database**, **DataMart database**. * Created and automated **SQL server 2012/2014** agent jobs that do backups of the database and logs on defined schedules, reviewed logs when errors arise, making sure the backups are completed successfully and restorable. * Updated **functional specification** and **technical design** documents and read the existing **OLTP system**to create facts, dimensions and star schema representation for the Datamart. * Developed **Analysis Services Project** and responsible for identifying and defining **Data Source** and **Data Source views**. * Created and implemented**triggers, stored procedures, functions, views, Cursors compound queries** at the database level using SQL. * Expert in Extracting and Transforming data using **DTS** in **SQL Server 2012,** SSIS to Import Export, Bulk Insert and BCP. * Involved in converting a numerous **structured and unstructured data files** into evolution eCommerce product data format. * Deployed custom dashboard to clients on timeusing the **SQL Server**. * Utilized**Microsoft PowerBI** for data modelling and building Reports and dashboards. * Worked extensively with various ETL transformations like Aggregator, Expression, Filter, Source Qualifier, Rank, Joiner, Expression, Joiner, Union, Sequence Generator, Update Strategy, Lookups and Stored Procedure etc to develop complex ETL processes and tune and optimize the existing processes to develop data solutions to transform business rules into the ETL data deliverables. * Creation of **transformations, jobs**(Parameterized/non-parameterized) extensively for data extraction, data staging, error handling, data loading. * Loaded analyzed data using **SSAS**, built models/cubes and queried cube using **Power Query - (DAX)** and using **Power Pivot** of **PowerBI,**prepared and deployed reports. * SSIS provides a Checkpoint capability which allows a package to restart at the point of failure. * Developed complex SQL queries using stored procedures, temporary table to support Power BI and SSRS reports. * Responsible for **Unit Testing and Integration testing** of mappings and workflows. * Worked with Shortcuts across **Shared and Non-Shared Folders** and**offload batch processing.** * Developed Slowly Changing Dimension Mappings for **Type 1 SCD and Type 2 SCD**. * Highly conversant in using database lookups, stream lookups, Dimensional lookups optimization of performance using commit size and use of thecache. * Migrate **transformations and jobs** using Import/Export. * Used UNIONALL and Multicast transformations to merge data from different data sources and to send a copy to multiple destinations. * Handling of slowly changing dimensions using thededicated setup for incremental loads and using **dimensional lookup**. * Creation of **JNDI/JDBC connections** to simplify database connection. * Implemented various loads and hands on experience in debugging and troubleshooting sessions. * Automation ofdata transfer processes and email notifications using FTP task, send mail taskMentored new consultants and support team members with the core knowledge needed for production support by doing a walk-thru of important interfaces. * Open source **OLAP engine** which provides a multi-dimensional view of a relational database(ROLAP), an MDX query engine and to speed up OLAP query performance.   **Environment:**BI Development Studio, MS-SQL Server 2012/2010Enterprise Edition, T-SQL,SSIS packages, SSRS, SSAS, SSRS, SQL profiler,SQL Management Studio,JavaScript, Microsoft Visual Studio 2013, Microsoft Power BI. |
| **Pfizer**, Groton, CTjan 2016 – Nov 2016 |
| **“BI Analyst-SQL Server/SSIS/SSRS Developer”**  Responsibilities:   * Monitoring all aspects of organizational business engagements, both internal as well external, to ensuredatabase development standards and performing code-reviewspractices are achieved. * Loaded **monthly, weekly, daily data,** to track issues and resolve them based on the priority. * Produce new **SSIS** package to extract date from legacy to SQL Server Objects using Business Intelligence Development Studio (BIDS) and Visual studio 2012. * Defined Check constraints, Business Rules, Indexes, and Views. * Experience in creating **drill down, drill through** and linkedreports using **SSRS**, Excel (Pivot)& Crystal Reports with multi-valued parameters and LOV'sthat could be used to send information to diverse group of users, clients, and managers. * Designed and developed the process to ingest, theprocessto load the complex **Ad server data**. * Extensive experience in writing Transact-SQL (DDL/DML) queries. * Built the **AWS EMR clusters** to run the Hadoop jobs and tuned them to get the optimum efficiency. * Experienced in managing and reviewing **Hadoop log files**. * Created High level & low level design for the ETL process * Created a data model (Star schema) in Erwin and captured the data into corresponding Dimensions and FACT using ETL * Extensively involved in designing and proposed solutions for the complex issues/scenarios * Deciding best practices and standards for the ETL process and making sure that they are being followed. * A great deal of my assignment was in creating standard templates while designing reports to work with conditional formatting, sorting and running totals, converting old reports from MS-Access and Excel to Pentaho reports and creating functionality for a smooth export into various formats like **EXCEL, PDF, HTML, and RTF per user requirements**. * Spent time working with business users on getting specifications for reports and build prototypes developed for implementation on Pentaho Enterprise Server for **User Acceptance Testing (UAT)**. * Developed **SQL Queries** to get results in **XML Format**. * Helped to tune the database to resolve performance issues and ensure high performance through periodicroutine evaluation and improvements. * Involved in **Unit, Integration, system, and performance testing** levels. * Interacted with executives to learn the business objectives and propose creative solutions to meet those objectives, used **Gitfor version control**. * Provided recommendations for cost mitigation solutions brought to the table with design approaches with the software development team to effectively represent the required data for analysis. * Used Execution Plan, SQL Server Profiler to trace the slow running queries and tried to Optimize SQL queries for improved performance and availability. * Involved in Designing, Analyzing, building and testing of OLAP cubes in SSAS and adding calculations using MDX. * Performed data conversion from flat file into a normalized database structure.   **Environment:**Microsoft SQL Server 2008/2012, Business Intelligence Development Studio (BIDS),SQL Management Studio 2012, Windows Server 2014, JavaScript, Git,Tableau v9.0.18, SSRS, Visual studio 2012. |
| **Debevoise & Plimpton LLP**, New York City, NYMar2015 – dec 2015 |
| **“Pentaho Developer”**  Responsibilities:   |  | | --- | | * Designed Data Warehouse and Database for the system using Star Schema which includes Tables, Stored Procedure, and Indexes in **SQL Server Management Studio**. * Implemented ETL data from **Flat File or CSV, HTML,**and **SQL Server 2005**Instances to load into Staging Database to change all string values to integer and then to Data Warehouse for further Data Analysis by using **SSIS such as Data Conversion, Lookup, Conditional Split,slowly changingDimension (SCD)**. * Designed database Queries for updating, insertion, and retrieval of asset information and rates. * Written Stored Procedures and packages for database operations. * Designed, Developer **Ab Initio graphs** for loading into Data store as well as the execution of implementation activities, involved in Business Analysis Requirement collection. * Used **Kettle designer** to design and create Pentaho Transformations and jobs. * Utilized diverse types of inputs and outputs of various data sources, including Tables, Access, Plain text File, PDF and RTF file and used various transformations in Pentaho transformations. * Created and maintained project plan, **daily scrum and release log**. Facilitated team meetings to ensure timelines and deliverables. * Authored many **ETL mapping** documents which clearly list source, transformation, and target. * Use Data Viewers in **SSIS Packages** to see whether the data flow properly or not. * Created and updated complex Stored Procedures, Triggers, and User Defined Functions for logicalT-SQL implementation. * Created Views to facilitate easy user interface implementation and Triggers on them to facilitate consistent data entry into the database. * Create and executed**Sub-reports, Drill-down reports, Matrix or Crosstab reports and Summaryreports** in SSRS. * Create Subscriptions to generate reports on daily and weekly basis via **FTP**. * Used**SQL Server Profiler** for tuning report queries and improve performance in **SQL Server**. * Actively participated in review meetings with Project Manager to ensure that the development of projectsmeets business and system requirements. * Documenting the development work using reporting tools. * Responsible for **Unit Testing and Integration** testing of application code,mapping & workflows.   **Environment**:IBM DB2, SQL Server 2008/2012, SSIS Shell Scripting,PentahoKettle 5.2.1,PSW 3.8.1,Windows Server 2008/2012, Ab Initio, T-SQL, MS Excel 2010,Oracle DB 11g. **Sysco Corporation**, Houston, TX Nov 2013 – feb 2015 ***“BIDeveloper”***  Responsibilities:   * Implemented Graphical User Interface design and worked with**HTML, XML, XSL, CSS** and client validations using Java script. * Involved in developing Web Services (SOAP) to support internal and external requests. * Worked with**HTML, CSS, JavaScript, Java, Spring MVC and WebSphere**. * Implemented the modules using Model-View-Controller (MVC) design pattern. * Participated in department wide initiatives to address long term business, technical & performance goals. * Tested the application using Use cases and used themto identify and clarify requirement and Agile methods for building the software. * Involved in designing, creating, reviewing Technical Design Documents. * Worked with other internal IT teams to complete project activities (Architecture and Database teams) * Extensively used **VB Script** to pass multiple parameters for **Stored Procedures** to read and write database table. * Generated **ASP.netobjects** from tables and presented these **DOM objects** which are capable for easy communication, to the Business applications. * Worked with Index Cache and Data Cache in thecache using transformation like Rank, Lookup, Joiner, and Aggregator Transformations. * Solid experience in **debugging and troubleshooting** Sessions using the Debugger and Workflow Monitor. * Worked with Session Logs, and Workflow Logs for Error handling and Troubleshooting in DEV environment. * Implemented various loads like Daily, Weekly, and Quarterly Loads using Incremental Loading Strategy, and data migration using ETL Tools in **DTS**. * Rigotously**TroubleshootingDB** performance issue and implementing necessary DB changes and implemented processes to ensure Optimal Query Performance. * Created **views** and **indexedviews** to reduce database complexities for the end users. * Run Import/Export wizard to provide Excel files to Managers for reports. * Used **JDBC** calls to update the database at the application server. * Written **UNIX shell scripts** to copy the data files from one server to anotherapplication server. * **Wrote SQL queries and PL/SQL procedures for JDBC**.   **Environment**:SQL, MS SQL Server 2005 Enterprise Edition, SQL Server Management Studio [SSMS], SQL Server Integration Services [SSIS],DTS, Pentaho BI suite v4.8.0 GA, SQL Server Reporting Services [SSRS], Microsoft Visual Studio 2005, IIS, Crystal Reports. **bharti airtel**, Hyderabad, India Mar 2011 – oct 2013 **“SQL Developer”**  Responsibilities:   * Converted **SQL Server 2005 DTS Packages** to transformations and jobs for uploading various formats of files and data from the legacy databases to load into SQL Server 2005. * Logical and Physical design of database for project on basis of user requirements. * Created new tables, stored procedures for Application Developers and some user defined functions. Created SQL scripts for tuning and scheduling. * Performed data conversions from flat files into a normalized database structure. * Scheduled Pentaho Jobs using **pan.bat** by creating windows batch scripts to call pan, and then created a scheduled task using Windows Scheduler to execute the batch script. * Generated server-side**T-SQL scripts** for data manipulation and validation and created various snapshots and views. * Involved in **SQL tunin**g process to increase the **speed and performance** of queries in database. * Modified existing databases by adding/removing tables there by altering the referential integrity, primary key constraints and relationships according to requirements. * Created traces in **SQL Profiler and used Data base engine** tuning advisor for Performance tuning for long-running stored procedures. * Created **pivot table** to provide structure to Reports in a proper manner like months etc. * Wrote documentation for the packages and scripts and job created for migrating data. * Participated in creating test cases in **UAT environment.** * In-depth development exposure in **SQL & PL/SQL**. * Responsible for dealing with the problems, bug fixing, and troubleshooting.   **Environment**: Pentaho data integration v3.xPentaho Report designer v3.x, SQL Server 2005, Data Transformation Services, MS Excel 2010, MS Access 2010, SQL Loader, SQL Profiler, Jasper report, Oracle Database 9i/10g. | | **EUROGATE TECHNOLOGIES PVT LTD,**Bengaluru, IndiaJul 2010 –mar 2011 ***“Java developer”***  Responsibilities:   * Develop the front-end using **Struts Framework. JSP. jQuery, and Servlets**. * Designing application flow using Spring and Struts implemented design patterns like **MVC**. * Created **Entity relationship diagrams, Function relationship diagrams, data flow diagrams** and enforced all referential integrity constraints. * Built a Complex **Enterprise Java ecosystem** in collaboration with development team. * Extensively worked on to convert **Oracle scripts** into **Teradata.** * Developed, tested, and implemented financial-services application to bring multiple clients into standard database format. * Performed**Joins operations** while creating tables from multiple tables. * Created complex mappings using Unconnected Lookup, Sorter, and Aggregator and Router transformations for populating target tables in an efficient manner. * Created **Mapplet** and used them in different mappings as per end-user needs. * Created Multiset tables in Teradata database, package, and release. * Upheld program quality and delivery standards in developing software solutions. * End users one to one meeting and conducting classes, used version control using **SVN.** * Designed and built an **OLTP database** to support the operations of the organization. * Involved in the**Unit test** for the component testing, deploying builds code using **Ant**.   **Environment:**Java, MYSQL 2005, EJB, Struts, EJB, Web Services, Clear Case, Oracle9i/10g,WindowsServer 2005 R2,WebLogic, RAD, Servlets, JSP, Unix, ANT, Mapplet Designer**.** | |
| **Education** |
| “Flexible Professional with a Bachelor of Technology in **Computer Science, India**.” |