**Manpreet Chadha**

**Professional Summary:**

* **6 years** of IT Experience in Data Warehousing, Database Design and ETL Processes in the Development, Test and Production environments.
* Good hands of experience in Database Design, Development and business intelligence of **Microsoft SQL Server 2012/ 2008/2005/2000**
* Expert Knowledge of Integration Services (**SSIS**), Analysis Services (**SSAS**) and Reporting Services (**SSRS**).
* Highly proficient in Development, Implementation, Administration and Support of ETL processes for Large-scale Data warehouses using SSIS.
* SQL database experience in a high transaction and multi-server production environment.
* Experience in Database Development, Data Warehousing, Design and Technical Management.
* Good understanding in database and data warehousing concepts (**OLTP & OLAP**).
* Hands on Experience in Installing, Configuring, Managing, Monitoring and Troubleshooting SQL Server 2005/2008/2012.
* Expert in creating SSAS cubes and creating dashboards in **PPS** (Performance Point Server) using Business Modeler.
* Developing reports on **SSAS** & **SSRS** on SQL Server (2005/2008 R2/2012). Sound Experience and understanding of **SSAS**, **OLAP** cube and Architecture
* Experience in deploying created reports in various sources like Web browser, XML and PDF.
* Experience in Designing and Building the Dimensions and cubes with star schema using SQL Server Analysis Services (**SSAS**)
* Experience in Extracting, Transforming and Loading (ETL) data from Excel, Flat file, Oracle to **MS SQL** Server by using DTS and SSIS services.
* Worked on **OLAP** Data warehouse , Model ,Design and Implementation
* Experience in Creating and Updating Clustered and Non-Clustered Indexes to keep up the SQL Server performance.
* Expert in creating the **MDX**
* cubes and dimensions.(SSAS)
* Hands on experience in **Talend** and **BIRT**
* Experience in UNIX shell scripting, job scheduling and communicating with server using **pmcmd**.
* Experience with Ad hoc reporting, Parameterized, Custom Reporting using **SSRS** for daily reports and **SSAS** projects
* Supported team in resolving SQL Reporting services and **T-SQL** related issues and Proficiency in creating different types of reports such as Cross-Tab, Conditional, Drill-down, Top N, Summary, Form, **OLAP** and Sub reports, and formatting them.
* Experience in Analyzing Execution Plan and managing indexes and troubleshooting deadlocks.
* Good knowledge in using system tables such as sysindexes, sysprocesses, sysobjects and syscomment in various queries and using Database Console Commands (**DBCC**).
* Good knowledge in Normalizing and De-normalizing the tables and maintaining Referential Integrity by using Triggers and Primary and Foreign Keys.
* In-depth understanding of Data Warehousing and Business Intelligence concept
* Designed and developed efficient Error handling methods and implemented throughout the mappings in various projects.
* Good knowledge of Master Data Management concepts.
* Responsible for interacting with business partners to identify information needs and business requirements for Reports.
* Good Knowledge of **Kimball** and **Inmon** data warehouse design approaches and considerations
* Good understanding of dimensional models, slowly changing dimensions, star & snowflake schemas.

**Technical Skills:**

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| --- | --- |
| **Databases** | **Oracle 10g/9i/11i, DB2, SQL server 7.0/2000/2005/2008 R2/2012, MS Access 2000/2005** |
| **Languages** | **Transact- SQL, PL/SQL,HTML, C** |
| **Operating Systems** | **Windows NT/98/2000/XP/Vista/7, Linux, Unix, MS-DOS, Sun Solaris.** |
| **OLAP/Reporting Tools** | **SQL Server Analysis Service(SSAS), SQL Server Reporting Service(SSRS), MDX, Share Point MOSS 2007, Crystal Reports 9/10/XI, Business Objects 6.x, Cognos** |
| **ETL Tools** | **SQL Server Integration Services (SSIS), SQL Server DTS, Talend** |
| **Data Modeling Tools** | **Microsoft Visio 2000/2003, ER Studio** |
| **SQL Server Tools** | **SQL server Management Studio, SQL server Query Analyzer, SQL server mail service , DBCC, BCP , SQL server profiler** |
| **Web Technologies** | **MS FrontPage, MS Outlook Express, FTP, TCP/IP, LAN,PHP** |
| **Other Tools** | **Microsoft Office, Visual Basic 6, Toad** |

**Professional Experience:**

**Travelocity Dec 2013 – June 2014 Dallas, TX**

**Role: SQL BI Developer SSAS, SSRS, SSIS**

Travelocity is an online travel agency and wholly owned subsidiary of Sabre Holdings Corporation, which was a publicly traded company until taken private by Silver Lake Partners and Texas Pacific Group in March 2007. Travelocity is based in Southlake, Texas, with additional offices in San Antonio, Wilkes-Barre, Pennsylvania and abroad. According to Sabre Holdings, Travelocity is the sixth-largest travel agency in the United States and the second-largest online travel agency. In addition to its primary US consumer site, Travelocity operates a full-service business agency, Travelocity Business, and comparable websites in Canada, Germany, France, the Scandinavian countries, India and the United Kingdom. Sister sites include lastminute.com in Europe and Zuji in Asia. Other brands include World Choice Travel, a travel affiliate marketing program, and IgoUgo, an online travel community and travel-planning resource.

**Responsibilities:**

* Designed and developed database objects like **Tables, Stored Procedures, Triggers, Rules, Defaults, user defined data types and functions** for this project.
* Created **Indexes** to get high level performance in making consumer search queries faster.
* Performed **ETL** operations to support the data loads and transformations using SSIS.
* Developed Cubes using SQL Analysis Services (**SSAS**) for business and retail consumers.
* Involved in Analyzing, designing, building &, testing of **OLAP** cubes.
* Deployment of **SSAS** Cubes to the production server.
* Excellent report creation skills using Microsoft SQL Server 2012/2008/2005 Reporting Services (**SSRS**) with proficiency in using Report Designer as well as Report Builder.
* SSAS storage and partitions, and Aggregations, calculation of queries with MDX, Data Mining Models, developing reports using **MDX** and **SQL**.
* Worked on creation of dashboards, scorecards and building reports using performance point server 2007.
* Experience in developing and extending **SSAS** Cubes, dimensions and data source view SSAS- Data Mining models and deploying and processing SSAS objects.
* Used ProClarity for accessing and analyzing cubes and dimensions, and also worked on integration of SharePoint with SSRS.
* Enhanced the functionality in database and data ware housing concepts (**OLAP, OLTP**) Cube by creating KPI, Actions and Perspective using SQL Server Analysis Services 2008/2012(SSAS).
* Worked extensively in writing and debugging complex stored procedures, triggers, Inner Joins, Outer Joins, views and user-defined functions
* Used SQL Profiler for troubleshooting, Monitoring, Optimizing SQL Server and T-SQL statements from developers and testers.
* Implemented automated backup and database maintenance / cleanup jobs.
* Designed numerous ad-hoc ETL processes in **Talend** to load data from DB2 to MySQL for an in house data quality project.
* Designed numerous ad-hoc and custom reports using Business Intelligence and Reporting Tools (**BIRT**).
* Create and Update Stored Procedures to produce SQL tables and flat files from the production database
* Created various weekly, monthly/quarterly Tabular and Matrix Reports using **SSRS** to assist in decision making.
* Created and scheduled jobs for various tasks and also was responsible for maintaining jobs.

**Environment: SQL Server 2005/2008/2012, Query Analyzer, OLAP, OLTP, SSIS 2008, 2012 Talend, T-SQL, ProClarity, Excel, ETL, Microsoft SQL Reporting Services 2008 (SSRS),MS SQL Analysis Services(SSAS), BIRT**

**City of Fort-Worth Aug 2013 – Dec 2013**

**Fort Worth, TX**

**ROLE: SQL / SSIS / SSRS Developer**

The project is to develop and maintain a database for **SNAP** (Special Needs Assistance Program) supporting the client application .Office of Emergency management maintains the vital information of individuals with permanent disabilities and residents with special needs to ensure that assistance is available when disasters strike. Business needs for this application is to develop a new database on SQL Server 2008 and integrate with existing systems.

**Responsibilities:**

* Designed **ETL packages** dealing with different data sources (**SQL Server, Flat Files, and XMLs**) and loaded the data into target data sources by performing different kinds of transformations using SQL Server Integration Services (SSIS).
* Created mappings using the Transformations such as the conditional split, Join, Filter, mapping, character map, derived column etc.
* Configured Server for **sending automatic mails** to the respective people when a **SSIS** process failure or success.
* Worked with different methods of **logging** in **SSIS**.
* Identified and worked with Parameters using complex expressions for parameterized reports in SSRS 2005.
* Involved in creating **report models** and applying row level security filters for report model.
* **Scheduled Reports** to run the reports Hourly, Daily, and Monthly according to client requirements for the periodic analysis.
* Created reports to retrieve data using Stored Procedures that accept parameters.
* Enforced the Business Rules by creating **multiple constraints** like check constraints and triggers as well as automated the update of the **database statistics.**
* Implemented **Database mail and Triggers** as per business needs.
* Involved in managing **Alerts, Operators** and Scheduled **Jobs** through SQL Server Agent. Used Performance Monitor/Profiler to solve **Dead Locks**.

**Environment:** **MS SQL Server 2005 Enterprise Edition, MS Analysis Services 2005, Analysis Services 2000, MS Access, SSIS, Erwin 4.1, Windows XP Professional.**

**ALICO Dec 2012 – July 2013**

**Wilmington, DE**

**Role: SQL BI Developer SSAS, SSRS, SSIS**

The ALICO Building was one of the few downtown office buildings that survived the [1953 Waco tornado outbreak](http://en.wikipedia.org/wiki/1953_Waco_tornado_outbreak). It swayed several feet when the tornado hit it directly, but its steel frame structure allowed it to survive the winds. ALICO stands for Amicable Life Insurance Company. This was the company that incorporated and contracted to have the building built back in 1910. In 1965, Amicable Life Insurance Company and American Life Insurance Company merged to become the American-Amicable Life Insurance Company. Alico, the former international life insurance subsidiary of [AIG](http://en.wikipedia.org/wiki/American_International_Group) that was sold to [MetLife](http://en.wikipedia.org/wiki/MetLife), based out of Wilmington, DE, with no US domestic business, is a different company.

**Responsibilities**:

* Team involved in various databases including Service Center, Asset Center of Enterprise.
* Distributed reports to the users by uploading them to Report Web using **share point integration services**.
* Performed **unit testing** in DEV and **UAT** for migrating reports
* Created SSIS Packages to load data from Oracle to SQL Server
* Created different types of User-defined functions.
* Used Package Configurations to make use of same SSIS package in Dev/Testing/Prod Environments
* Created Parameterized reports, Cross-Tab reports, Drill down reports & Summary reports by using **SSRS**.
* Developed T-SQL queries and stored procedures with **multiple parameters** to created data sets for reports.
* Writing queries to generate reports for analysis of data using **SQL Server Reporting Services, Report Builder.**
* Designed and created **Report templates**, **bar graphs** and pie charts based on the financial data.
* Developed **Tabular reports, Matrix reports, Drill down, Dashboards, Crystal** reports.
* Created **SSIS Packages** to migrate slowly changing dimensions
* Created report snapshots to improve the performance of **SSRS**.
* Created Event Handlers for the SSIS package on Error, on Post execute.
* Used named calculations and new named query cubes to calculate values at run time.
* Worked with **T-SQL, DDL, DML** and **DCL.**
* Designed **reports** and tuned them for optimal performance when using multiple parameters.
* Used **Report Manager** to assign roles, permissions and to create report schedules.
* Configured Reporting Services to a scale out deployment to allow concurrent users.
* Developed SQL scripts, ensured optimal performance of the queries to generate reports from various relational databases like **Oracle, DB2**.
* Created complex **SSIS** packages using various transformations.
* Used Lookups Transformation to get the data from reference data sets
* Created cubes and defined the dimensions.
* Worked on **OLAP** data sets and queries are created directly from the Unified Dimensional Model.
* Created new cubes and modified existing cubes using SSAS 2008 to make data available for the decision makers.
* Created and Designed Data Source and Data Source Views Using **SQL** **Server Analysis Services** 2008 (SSAS).
* **Created partitions of the Analysis Services cube to improve performance.**
* Designed **user defined hierarchies in SSAS including parent-child hierarchy**.
* Dealt with huge amount of data and used **SSAS** in order to retrieve the data.
* Defined attribute properties in a Parent Child Dimensions.
* Used Joins to write queries that retrieve data from more than one table.
* Responsible for hiding and disabling attributes and attribute hierarchies.
* Implementing the calculations to aggregate physical measures

**Environment: MS SQL Server 2005/2008 R2/2012, Enterprise manager, Query Analyzer, SSIS, SSAS, SSRS,DTS, SQL profiler, Query Optimizer, T-SQL, Agile, Share Point 2010 , IIS 6.0, .XML, ETL, ASP.NET, C#, VB.Net, Microsoft Visio 2003, MS Visual Studio 2008.**

**Market Basket June 2012 – Oct 2012**

**Tewksbury, MA**

**Role: SQL BI Developer**

Market Basket Inc. oversees the operation of two chains of supermarkets and superstores in the Northeast, with warehouse facilities and headquarters in the Massachusetts town of Tewksbury. The idea of the project is to initially build data marts and then integrate all marts into one enterprise wide data warehouse.

**Responsibilities:**

* Installed and Configured **SQL Server 2008** enterprise edition per client request.
* Created Database and Database Objects like Tables, Stored Procedures, Views, Triggers, Rules, Defaults, user defined data types and functions in SQL Server.
* Designed **SSIS** Packages to extract, transfer, load (ETL) existing data into SQL Server 2008.
* Generated Reports using Global Variables, Expressions and Functions for the reports using **SSRS 2008**.
* Experience in creating **SSIS** packages using Active X scripts and with Error Handling.
* Experience in enhancing and deploying the **SSIS** Packages from development server to production server.
* Experience in using different transformations like fuzzy lookup, derived column transformations etc. in **SSIS** packages.
* Designed complex **SSAS** solutions using multiple dimensions, perspectives, hierarchies, measures groups and KPIs to analyze performance of Strategic Business Units as well as corporate centers
* Querying and manipulating multidimensional cube data through MDX Scripting in **SSAS**
* Developed Query for generating drill down reports in **SSRS 2008**.Prepared AD HOC reports through report builders.
* Created shared dimension tables, measures, hierarchies, levels, cubes and aggregations on **MS OLAP/ Analysis Server (SSAS).**
* Extensively designed the packages and data mapping using Control flow task, Sequence container task, Dataflow Task, Execute SQL Task, Data conversion task, Derived Column task and Script Task in **SSIS** Designer.
* Understanding the **OLAP** processing for changing and maintaining the Warehousing Optimizing Dimensions, Hierarchies and adding the Aggregations to the Cube.
* Experience in Creation and deployment of cubes on **SSAS**.
* Excellent knowledge in creating reports using **SSRS**.
* Involved in creating different kinds of reports like tabular reports, matrix reports, sub-reports, drill down reports and deployed them to the report manager using **SSRS**.
* Experience in integrating **SharePoint Server** with **SSRS** and deploying **SSRS** reports on to SharePoint Server.
* Written a **UNIX** script for Central America Project to create the report for the database source.
* Done performance tuning to optimize the run time.
* Changed stored procedures according to the new hierarchy.
* Development of automated daily, weekly and monthly system maintenance tasks such as database backup, database integrity verification, indexing and shrinking of databases and regular monitoring.
* Maintained databases, performed software installations and upgrades, monitored Database Performance.
* Configure backup/recovery strategy per client request. Full Back up database on specific time, transaction log backup using different check point per client request.

**Environment: MS SQL Server 2008/2005, SQL SSAS,SSRS,SSIS,OLAP, MDX, SharePoint, ETL, Windows 2000 Server, Windows NT Server, TSQL, Unix**.

**Countrywide Home Loans, Inc. Jan 2011 – April 2012**

**Calabasas, CA**

**ROLE: BI Analyst**

Countrywide Home Loans, Inc., doing business as Bank of America Home Loans, provides residential loans in the United States. It originates, purchases, securitizes, sells, and services home loans.

**Responsibilities:**

* Create joins and sub-queries for complex queries involving multiple tables.
* Designed process for Push reporting using Data driven subscriptions.
* Created complex stored procedures and queries using T-SQL
* Worked on Data Transformation Activities using **SSIS** Import/ Export for transferring data between different databases like DB2 to SQL Server. Moved Data from flat files and Excel sheets using **SSIS**.
* Created new schemas in data warehouse and **OLTP** databases to load data form production.
* Designed and deployed reports with Drill Down, Drill Through and Drop down menu option and Parameterized and Linked reports.
* Generated Daily, Weekly and Monthly reports for the analysis of managers and end users.
* Created report models and deployed on report server.
* Involved in partitioning large sized tables, to improve the performance of the queries running against them.
* Identified slow running query and optimized stored procedures and tested applications for performance, data integrity using SQL Profiler.

**Environment**: **SQL Server 2000/2005/2008,T-Sql, SSIS, SSRS, SharePoint, Performance point server, DTS Designer, SSIS, SQL Profiler, Index Tuning Wizard, Windows 2003, C#.net, Erwin 7.2,XML, MS Access**.

**Golden Living, Oct 2009 – Dec 2010**

**Fort Smith, AR**

**ROLE: Database Developer/DBA**

Golden Living is a family of healthcare companies committed to enhancing the lives of its residents and patients. Its comprehensive approach ensures patients receive the most innovative and expert care possible.

**Responsibilities:**

* Imported data from text files and excel spread sheets into SQL Server 2008 database using **SSIS** package.
* Created packages using Error handling mechanism and used variables to handle package dynamically.
* Moving data to staging tables using **SSIS**.
* Created Stored Procedures in SSIS tasks as required.
* Used T-SQL to analyze data before pulling the data from different applications.
* Used script tasks in packages with **C#** to do customization.
* Created Triggers and functions in SQL server 2008 R2.
* Used iteration tasks in **SSIS** for complex packages.
* Extensively used Joins, Functions and Correlated Sub-Queries to simplify complex queries involving multiple tables.
* Developed complex reports using **SSRS** for HR and other Business users.
* Extensive experience in the development of Reports using SQL Server 2005, 2008 R2 reporting services and performance point Server.
* Expert in analyzing Business requirements, gathering information from business users and build and maintain Reports to help business.

**Environment: SQL Server 2005/2008 R2, SSIS, SSRS, Performance Point Server, Windows Server 2003, Visual Source Safe 6.0, VB, MS- Access.**

**Client: ING Group June 2008– Aug 2009**

**Hyderabad, India**

**ROLE: SQL Server Developer**

ING is a global financial institution, currently offering banking, investment, life insurance (NN Group) and retirement services.

**Responsibilities:**

* Responsible for database design using **Erwin** Tool.
* Created and managed schema objects such as tables, views, clusters, indexes, procedures, and triggers & maintained Referential Integrity. Wrote complex queries using joins.
* Created and monitored Database maintenance plans for checking database integrity.
* Tested **Backup and Recovery** Strategies.
* Used Database trigger for making history of insertion, updating, deletion and all kind of Audit routines.
* Maintained **SQL scripts** for creating Database objects.
* Used **DTS** to import and export objects between databases.
* Coded SQL to perform database tasks by using **Inner/Outer Joins** and group by/having clause.
* Involved in entire life cycle including database design, development**, testing**, optimizing and deploying on development and production servers.
* Responsible for creating the Tables, Views, **Stored Procedures, Triggers**.
* Used Data transformation Services (DTS) to export and import data.

**Environment:** **SQL Server 2000 Enterprise Edition, DTS Designer, SQL Server Enterprise Manager, Windows 2000/NT, MS Office**

**Education:**

* University of Mumbai (Mumbai, India, April 2008)

**Bachelors in Mass Media (GPA: 3.8 / 4.00)**