

**Ankit Sharma**

**Contact: +1 312-572-9965**

**Email ID: ankitsharma3440@gmail.com**

Professional Experience:

* Detail-oriented and result-driven professional with excellent technical, analytical and communication skills demonstrated by 7+ years of experience in Database Design, Programming, Development and Implementation of Client-Server Applications & Database systems using Microsoft SQL Server, Teradata, Oracle databases and SQL Server BI Suite of Products SSIS, SSRS, and SSAS in various domains like Finance, Retail, Health Care and Insurance as SQL/MSBI Developer and Data Analyst
* Good Experience with Relational Database Management System (RDBMS) and Data Warehouse Concepts (OLTP & OLAP).
* Good Understanding of Software Development Life Cycle (SDLC) and Relation Database Architectures.
* Proficient in MS SQL Server suite of products like SSRS, SSIS and SSAS of MS SQL Server […]
* Understand rules and regulations of HIPAA as imposed during Electronic Data Interchange (EDI).
* Extensively worked on System analysis, Design, Development, Testing and Implementation of projects (SDLC).
* Experience in creating and maintaining database and its objects.
* Extensive experience in data migration techniques using Oracle External Tables, SQL\* Loader, Import/Export, bulk and batch processing.
* Experience with Data Accessing including using Data Adapter, Data Reader and Dataset in ADO.NET and LINQ (Language Integrated Query) Providers for data manipulation.
* Experienced in creating complex Stored Procedures, DTS packages, Triggers, Cursors, tables, Views, Table Partitioning and other SQL Joins and Statements.
* Experience in creating and deploying SSIS Packages on high-activity, normalized transaction systems (OLTP), highly-usable denormalized reporting systems (OLAP) as well as staging areas and data marts with Error Handing from development server to production server, migrating DTS Packages from SQL Server 2000 to SQL Server 2005 and SQL Server 2005 to SQL Server 2008, and using SSIS Import/Export Wizard for performing the ETL operations.
* Built data pipelines for reporting, alerting, and data mining. Experienced with table design and data management using HDFS, Hive, Impala, Sqoop, MySQL, Mem SQL, Grafana/Influx DB.
* Strong SQL Server […] Skills including writing User defined functions, Views, Query writing.
* Have experience in developing Stored Procedures for .Net applications and SQL Server Data Tools.
* Defined the HGV SOA Reference Architecture (i.e. the blueprint) which has been manifested since its initial debut.
* Extensive knowledge on CDW, Oracle Forms and Reports.
* Built, published and customized interactive reports and dashboards, report scheduling using Tableau server.
* Created action filters, parameters and calculated sets for preparing dashboards and worksheets in Tableau.
* Extensive proficiency in Excel - Pivot table, Power Query, Power View Dashboards generation and maintenance.
* Developed ETL packages to Load data from various sources to SQL server and SQL Azure.
* Good knowledge in deploying applications on Windows Azure.
* Developed Ad hoc reports using SQL, PL/SQL, and UNIX to fulfill business analysts, Operations Analysts, and Financial analyst's data requests
* Involved in Query Optimization and Performance Tuning using SQL Profiler and Index Tuning Wizard.
* Knowledgeable in Developing SharePoint solutions and skilled in Data collection and analysis.
* Good interaction with Business Analysts, Project managers, Operations/ process, Financial analyst and team members to coordinate job tasks.
* Flexible, enthusiastic and project oriented team player with solid communication and Leadership skills to develop creative solution for challenging client needs
* Self-motivated and possess the ability for critical thinking, analysis, good interpersonal and communication skills. Team-oriented, technically motivated and creative. A Strong inclination for finishing the job before project deadline. Flexible and versatile to adapt to any new environment and work on any project.

**OLTP Experience**

* Expertise in writing complex Stored Procedures, Indexed Views and Triggers for data Consistency and manipulation.
* Expertise in writing and tuning Transact-SQL (T-SQL) (DDL/DML) Queries.
* Good Knowledge of Normalization/De-Normalization, Normal Form and Data Modeling.
* Proficient in SQL Server technologies such Replication, Index, Functions and Store Procedures.
* Experience in creating Indexes, Views, Complex Triggers, Effective Functions, and appropriate Stored Procedures to facilitate efficient data manipulation and data consistency.
* Proficient in designing highly flexible Database Architectures and Data Modeling, Data Mapping, Table Optimization and Performance Tuning.

**Power BI:**

* Worked on Power BI Power Pivot to develop data analysis prototypes.
* Experience in using Power BI tool for developing dashboards.
* Proficient in creating Power BI Dashboards, Interactive Reports and Compelling Visualizations.
* Worked extensively on creating Relationships, Measures, and Calculated Columns in the Power BI.
* Expert in using DAX and KPIs in the Power BI.
* Experience in publishing Power BI Desktop reports created in Report view to the Power BI service.
* Efficient in using Power View and Power Map to visualize reports.
* Experience in using Microsoft Power BI Power Query to extract data from external sources and modify data to certain format as required in Excel, and created SSIS packages to load excel sheets from PC to database.

**ETL, OLAP Experience:**

* Experience in SQL Server Integration Services (SSIS):
* Strong experience in using Bulk Copy (BCP), Data Transformation Services (DTS) and SSIS with MS SQL Server […]
* Expertise in creating Packages using SSIS for Integration Services.
* Has a very good experience in creating SSIS Packages to manage SQL server databases and SQL server objects between instances of SQL server.
* Great Expertise in creating and managing Event Handlers, Package Configurations, Logging, System and User-defined Variables for SSIS Packages.
* Excellent experience in maintaining Error Logging with Event Handlers and Configuring Connection Managers using SSIS.
* Good Understanding in Data Modeling using Star/Snowflake Schema Design, OLAP, OLTP, Data Marts, Relational and Dimensional Data Modeling, Slowly Changing Dimensions(SCD), Fact and Dimensional tables, Master Data and transactional data management.
* Worked with data extraction using SSIS and Data Warehouse staging, and loading.
* Hands on experience in SQL Server DTS and SSIS (Integration Service) package design, constructing, and deployment
* Experience in managing and automating Control flow, Data flow, Events and Logging programmatically using Microsoft .NET framework for SSIS packages.

**Experience in Reporting Services (SSRS):**

* Experienced in defining Query for generating drill down reports in SSRS […]
* Expert in designing report layout.
* Hands on experience in developing Custom Reports and different types of Tabular Reports, Matrix Reports, Ad hoc reports and distributed reports in multiple formats using SQL Server Reporting Services (SSRS) in Business intelligence development studio (BIDS).
* Experience in developing various kind of reports like Cascading parameters, Drill down, Drill through, Sub-reports and Charts.
* Experience in creating Ad-hoc reports, data driven subscription reports by using Report Builder in SSRS.
* Expert in Experienced in sorting the data, defining subtotals for the reports.
* Proficient in using global variables, expressions and functions for the reports.
* Expert in handling Sub-reports in SSRS 2005.
* Experience in Reporting Services (SSRS) […]
* Experience in Oracle Reports.

**Experience in Analysis Services (SSAS):**

* Solid Knowledge in developing cubes using Partitions, KPI's, and Perspectives, slow moving dimensions etc., and created various user roles.
* Proficient in building Cubes, defining Referenced Relationships and creating Hierarchies in SSAS.
* Created complex SSAS cubes with multiple fact measures groups, and multiple dimension hierarchies based on the OLAP reporting needs.
* Experience in Designing Data mart and Data Warehouse using Star Schema and Snowflake Schema for implementing Decision Support Systems.
* Experience in Design and optimization of OLTP, OLAP tools, creating SSAS based OLAP Cubes.
* Developed MDX Scripts to create datasets to perform reporting and included interactive drill down reports, report models and dashboard reports.
* Expert in calculating measures and dimension members using Multi- dimensional expression (MDX), mathematical formulas, and user-defined

technical skills**:**

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| **Operating Systems** | Windows 7 Professional, Windows NT 4.0, Windows 2000 Server, Windows 2000 Advanced Server, Windows 2003 Server, Windows XP, Windows Vista, 7,Linux. |
| **Programming Languages**  **Software** | C, T-SQL, ANSI SQL, Oracle PL/SQL, HTML, TSQL,XML,  MSOffice 2010/2007 |
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| **RDBMS** | MS SQL Server 2016/2014/2012/2008/2005,  SQL Server Management Studio(SSMS),Exadata, SSAS, DB2, Teradata, Oracle 9i/10g/11g, MS Access |
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| **SQL Server Tools** | SQL ServerManagement Studio, Configuration  Manager, Enterprise Manager, Query Analyzer, SQL Profiler, DTS, SSIS, SSRS, SSAS, Database Tuning Advisor, DTS, BCP, ODBC, SQL OLEDB, DBCC, ADO, ADO.NET, Business Intelligence Studio. |
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| **ETL Tools** | DTS, Informatica, SSIS,Alteryx (11.x) |
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| **Reporting Tools** | SQL Server Reporting Services(SSRS),Cognos, Power View, Crystal Reports, Tableau. |
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| **Data Modeling Tools** | MS-Visio, Visual Studio. |
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| **Markup Languages** | XML, HTML, DHTML. |
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| **Database Query Tools** | SQL Server Execution Plan, MS SQL Server Query Analyzer, SQL Profiler, Red Gate SQL Data Compare, Red Gate SQL Data Generator, Red Gate SQL Search. |
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| **Version Control Tools** | SVN, Team foundation Server, VSS |
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| **Atlassian Tools** | JIRA, Confluence |

Education:

* Bachelors of Technology in Information Technology.

WorkExperience:

**Client: MasterCard, O'Fallon, MO January 2017 – Present**

**Role: SQL/ SSIS/ SSRS Developer (Database Analyst)**

**Responsibilities:**

* Participated in the Software Development Life Cycle (SDLC) processes including Analysis, Design, Programming, Testing and Deployment.
* Involved in complete Software Development Life Cycle (SDLC) process by analyzing business requirements and understanding the functional workflow of information from source systems to destination systems.
* Designed and developed SSAS Tabular Solutions and launched a series of Parameterized Dynamic Dashboards.
* Used DAX (Data Analysis Expressions) functions for the creation of calculations and measures in the Tabular Models.
* Was involved in writing stored procedures for both online and batch requests handling business logic and functionality of various modules.
* Expert in Creating Entity classes, relationships between entity classes using LINQ (Language Integrated Query) to SQL to manage relational data as objects with Entity Framework.
* Responsible for writing the LINQ queries to process and retrieve the objects.
* Develop complex MDX (Multidimensional Expressions), Stored procedures, Function table and views to generate various Drill-through, Drill-down reports, with Dynamic grouping capability, Parameterized dynamic Dashboard/Scorecard and link and pass the selected parameter values it to its sub-reports using SSRS.
* Designing, developing, maintaining and supporting Data Warehouse or OLTP processes via Extract, Transform and Load (ETL) software using Informatica, Shell Scripts, DB2 UDB and Autosys.
* Worked on Windows Communication Foundation (WCF) services to communicate between the processes via XML messages and worked on Service Oriented Architecture (SOA).
* Installation, Upgrade and Migration of SQL Server 2016, 2014 and 2012
* Worked on different OLTP data sources such as Oracle, SQL Server and Flat files for data extraction.
* Installation and Maintenance of SSIS, SSRS and SSAS (SQL Integration, Reporting and Analysis Services)
* Designed and developed SSIS Packages to import and export data from MS Excel, SQL Server and Flat files.
* Proficient experience in deploying and configuring packages, Error handling and Batch logging, Check points and troubleshooting Reports using SSRS
* Managed the metadata associated with the ETL processes used to populate the data warehouse using SSIS packages, extensively worked on mappings, incremental data loading, and SSIS transformations.
* Built data pipelines for reporting, alerting, and data mining. Experienced with table design and data management using HDFS, Hive, Impala, Sqoop, MySQL, Mem SQL, Grafana/Influx DB
* Excellent knowledge of OLTP and OLAP Systems, developing Database schemas - Star and Snowflake schemas (Dimensions and Facts).
* Involved in complete SSIS life cycle in creating SSIS packages, building, deploying and executing the packages in both the environments (Development and Production).
* Experienced in Data Warehousing concepts, Dimensional modeling like Star Schema, Relational modeling, Snowflake Schema, 3NF and database architecture for OLTP and OLAP applications, Data Analysis and ETL processes.
* Expertise in OLTP System Study, Analysis, E-R diagram, developing Dimensional Models using Star schema and Snowflake schema techniques used in relational, dimensional and multidimensional modeling.
* Monitoring the server status using MEM & Custom scripts written to make sure service is running smooth.
* Identified the field/column level data quality issues of the source systems to drive the data quality, data cleansing and error checking in the ETL mappings. Identify and document the source to target mapping data lineage using SSIS
* Deployed and Configured applications with Ansible playbooks which include roles for oracle-java, tomcat, Cassandra ,mem-cached, mysql server, nginx, spark, log stash on virtual machines.
* Used SSIS for (ETL) extraction, transformation and loading data from Heterogeneous source systems.
* Used various SSIS transformations such as Conditional Split, Derived Column, which were used for Data Scrubbing, data validation checks during Staging, before loading the data into Production tables.
* Used various Transformations in SSIS Dataflow, Control Flow using Containers and Fuzzy Lookups etc.
* Involved in ETL Architecture Enhancements to increase the performance using query optimizer.
* Implemented Event Handlers and Error Handling in SSIS packages.
* Created SSIS packages for Data Conversion using data conversion transformation.
* Designed complex SSAS solutions using multiple dimensions, perspectives, hierarchies, measures groups.
* Designed OLAP cubes with star schema and multiple partitions using SSAS.
* Involved in Analyzing, designing, building &, testing of OLAP cubes with SSAS.
* Developed logical and physical data models (using Star Schema), design data access strategies and wrote SQL code to access and manipulate data stored in relational databases.
* Configured the loading of data into slowly changing dimensions using Slowly Changing Dimension wizard.
* Developed visualizations and dashboards using Power BI and Power View.
* Experience in developing and managing reports and Dashboard using Power BI.
* Published Power BI Reports from Power BI Desktop to Power BI Service.
* Created Tabular Models as a source to Power BI Dashboards and scheduled jobs to refresh it in a timely manner.
* Made changes to the existing Power BI Dashboard on a regular basis as per requests from the Business.
* Created multiple kinds of Power BI Reports, Dashboards and Visualizations.
* Created Power BI Reports using the Tabular SSAS models in Power BI desktop and published them to Power BI Service and available in Web clients and Mobile Apps.
* Coordinated with front-end for implementing logic in stored procedures and functions.
* Experienced in writing complex SQL Queries, Stored Procedures, Triggers, Views, Cursors, Joins, Constraints, DDL, DML and User Defined Functions to implement the business logic and also created clustered and non-clustered indexes.
* Involved in Normalization and De-Normalization of existing tables for faster query retrieval.
* Developing various reports - Drill Down, Cascading, Drill through, Parameterized, Sub-reports and Charts using Global Variables, Expressions and Functions using SSRS.
* Deployed and generated reports on to the server using the Reporting Services Report Manager.

**Environment**: SQL Server 2016/2012 Enterprise Edition, SQL Server Data Tools, Visual Studio,Java, SQL Server Business Intelligence Development Studio (SSAS, SSIS, SSRS), TSQL, C#, .Net framework, XML, MS Visual Source Safe and Windows Server 2012, Power BI, Agile, Excel, Power View, PowerPivot.

**Client: Fifth-Third Bank, Cincinnati, OH March 2014 to December 2016**

**Role: .Net/SQL Server/SSIS/SSRS/SSAS Developer**

**Responsibilities:**

* Work closely with business users to congregate and comprehend requirements
* Worked as a developer in creating complex Stored Procedures, Triggers, Functions, Indexes, Tables, Views and other T-SQL code and SQL joins for applications
* Migrated data from Heterogeneous Data Sources and legacy system (DB2, Access, Excel) to SQL Server databases using SQL Server Integration Services (SSIS) to overcome transformation constraints.
* Worked on T-SQL statements for retrieval of data and Involved in performance tuning of T-SQL queries and Stored Procedures.
* Created Batch Scripts to connect to database using SQL batch commands.
* Testing automated Cornerstone processes by executing batch files using CA Workload center.
* Used SSIS jobs for importing data from the flat files that brings the data to the application tables.
* Developed system services SOA application platform for use by all web applications utilizing WCF services and the ASP.NET provider model.
* Created SSIS Packages using Pivot Transformation, Fuzzy Lookup, Derived Columns, Condition Split, Term extraction, Aggregate, Execute SQL Task, Data Flow Task, and Execute Package Task etc. to generate underlying data for the reports and to export cleaned data from Excel Spreadsheets, Text file, MS Access and CSV files to data warehouse
* Designed and developed rich and enhanced web applications using MVC 5.0, C#, Entity Framework, MVP, JSON, HTML 5, CSS 3, AngularJS, Knockout JS, Backbone.JS and JQuery in Agile/Scrum methodology
* Designed and developed various abstract classes, interfaces, classes to construct the business logic using C#.
* Designed and developed the ASP.Net Applications with Model-View- Controller (MVC) framework and ensuring to satisfy the TDD approach.
* Worked on configuring IIS, which includes creating websites under sites, Handler Mappings, Application pool, Http Bindings, and configured Application Request Routing (ARR)
* Designed dynamic and browser compatible pages using React, Redux, HTML, CSS (SASS), Babel, Sagas.
* Reconstructed front-end system in React JS by designing React reusable components and lifecycles.
* Created new React components, containers and services.
* Developed React/Redux code using functional programming best practices to enable efficient pure function testing.
* Worked on adaptive design approach. Implemented unique design for MOBILE and DESKTOP.
* Experience working on Redux Uni-directional data-flow achieving the predictable application behaviour.
* Used Ajax, JSON to send a request to the server to check the functionality of the websites.
* Added Dynamic Functionality by creating and dispatching Action Creators that deployed Actions.
* Maintained **STATES** in the store and dispatched the ACTIONS using **Redux**
* Developed the reusable framework for the application using the ASP.NET MVC Framework 4.0/4.5.
* Experience of handling queries **using .NET 4.5 LINQ components**.
* Designed and developed Graphical user interfaces using **Silver light XAML and C#.**
* Analysed and designed **new WPF application using MVVM and Repository pattern, from design to completion**.
* Used **Windows Presentation Foundation (WPF)** for creating graphical user interfaces for Windows Application.
* Created Business Logic Layer & Data Access Layers to implement the MVC architecture.
* Work in Middle layer to connect front end to back end **ASP.NET 4.5, MVC5 and Entity Framework 6.**
* Extensively used Silver Light Data Grid, Items Control and many other controls with Paging and Sorting for displaying various data on to the page.
* Scheduled Cube Processing from Staging Database Tables using SQL Server Agent in SSAS.
* Created the Dimensional & Relational Models for various databases for monitoring tools, created database, SSIS standards of development, configuration & deployment of the Packages
* Have created Star and Snowflake Schemas in SSAS
* Developed calculated members and MDX expressions for specific OLAP reporting requirements.
* Created reports by dragging data from cube and wrote MDX scripts in SSRS.
* Generated reports using SQL Server Reporting Services 2012 from OLTP and OLAP data sources.
* Created action filters, parameters and calculated sets for preparing dashboards and worksheets in Tableau
* Good knowledge in deploying applications on Windows Azure.
* Designed, Developed & maintained databases on Microsoft's cloud computing platform of SQL Azure.
* Working with team of developers to design, develop and implement a BI solution for Sales, Product and Customer KPIs.
* Generate KPI for customer satisfaction survey results.
* Prototyped Data visualizations using Charts, Drill-down, Parameterized controls using Tableau to highlight the value of analytics
* In client application, have issued DAX queries in Power View.
* Made use of DAX to access data directly from a tabular database, by creating them in other client applications.

Designed and deployed report with Drill Down, Drill Through, Dropdown menu option, Parameterized and Linked reports.

Worked on deploying and scheduling Reports using SSRS as well as Triggers to generate all daily, weekly, monthly and quarterly reports including current status.

Prepared the Layouts by placing the fields to the appropriate place according to the requirement of the final Report.

Used Index Tuning Wizard, SQL Profiler and SQL Query analyzer for Performance Tuning.

**Environment**: SQL Server 2012 Enterprise Edition, SQL Server Data Tools, Visual Studio, SQL Server Business Intelligence Development Studio (SSAS, SSIS, SSRS), TSQL, C#, .Net framework, XML, MS Visual Source Safe and Windows Server 2008,Power View and PowerPivot.

**Client: Wellmark Blue Cross Blue Shield of Iowa - Des Moines, IA February 2013 to February 2014**

**Role: SQL Server (SSAS/SSIS/SSRS) Developer**

**Responsibilities:**

* Generated and debugged complex stored procedures and functions for performance tuning and optimization.
* Determined the SQL Server Installation. Installed SQL Server Management tools using SQL Server Setup Program.
* Created complex functions, stored procedures for complex sub queries and views based on the business requirements.
* Extensively used T-SQL in constructing user functions, views, indexes, user profiles, relational database models,datadictionaries, and data integrity.
* Data Transformation Activities using SSIS Import/ Export for transferring data between different databases like oracle. Design new SSIS packages as per needs and resolve the problems.
* Created SSIS packages that would transfer data between servers and perform other data transformations; scheduled the same SSIS packages by creating the corresponding job tasks.
* Worked closely with business users in defining and documenting reporting requirements to design, develop and maintain SQL Server 2008 reporting services (SSRS).
* Designed, Build the Dimensions, Cubes with star schema and snowflake schema using SQL Server Analysis Services (SSAS).
* Built effective queries for high-performance reporting and rendered them to HTML, XML, PDF and MS Excel format using Reporting Services (SSRS).
* Deployed the generated reports on to the Report server and fine-tuned the database objects and server to ensure efficient data retrieval.
* Supervised and fixed all error issues with inbound 850, 860, 864, 824 and outbound 856, 810, 855, 882 ANSI X12 EDI transactions using Trusted Link i series translator
* Actively involved in developing Complex SSRS Reports involving Sub Reports, Matrix/Tabular Reports, Charts and Graphs.
* Build the Dimensions, cubes with star schema using SQL Server Analysis Services (SSAS).
* Created and configured cubes using SQL Server 2008 analysis services.
* Coordinated with source system owners, day-to-day ETL progress monitoring, Data warehouse target schema design (Star Schema) and maintenance.
* Developed and maintained various cubes using MDX complex queries in SSAS.

**Environment: Microsoft SQL Server 2008 R2 Enterprise Edition, SSIS, SSRS,SSAS, C#, Ansi, Share Point Windows Server, windows 7/XP, Visual Studio 2010 & TFS**

**Client: IGATE, Hyderabad, India Jan 2011 to December 2013**

**Role: SQL/ETL Developer**

**Responsibilities:**

* Hands on experience in SDLC Business Modeling Process.
* Gathered the business requirements document and analyzed data.
* Involved in creating and updating SQL server tables.
* Experience working with ETL team using SSIS packages, to plan an effective package development process, and designs the control flow within the packages.
* Developed Report Models for building customized Ad hoc reports using POWER BI.
* Retrieved data from databases for validation purposes using SQL Queries.

Proficient in using SQL server.

Involved in documenting the entire technical process.

* Knowledge on using SSRS in creating and managing reports for an organization.
* Experienced in designing the Data Mart Model, which is based on Star Schema Model.
* Experienced in issue handling and resolution.

Involved throughout in Software Development Life Cycle (SDLC) process.

* Dealt with documentation of Project related artifacts and storing them in the Project Database after sending them for onsite review.

**Environment: Microsoft Office, MS SQL Server2005/2008, SQL Server Integration Services (SSIS),Microsoft Visual Studio 2008, Atlassian JIRA, SQL Server 2005, Windows Server 2000.**