**SUMMARY**

* 12+ years of experience in developing **Business Intelligence** and **Data Analysis** applications with meticulous Planning, Design, Development and Implementation using MS SQL Server, SSAS, SSRS, SSIS, Power BI and Excel in different environments.
* Experience in SQL Server, **SSRS, SSIS and SSAS** Multi-Dimensional Cubes, Tabular Models, Power BI, Excel, PowerPivot, SharePoint, Office 365 and **Alteryx Designer**.
* Experience in developing and designing **data integration and migration solutions** in MS Azure.
* Excellent understanding and hands on experience with Azure Data Engineering Stack.
* Expert in building Enterprise Data Warehouse or Data warehouse appliances from Scratch Azure Synapse Analytics and SQL server.
* Good experience in cloud environments like **AWS, Azure, and GCP**
* Experienced in AZURE and AWS Cloud IaaS platform with features EC2, VPC, ELB, Auto-Scaling, Security Groups, IAM, EBS, AMI, RDS, S3, SNS, SQS, Cloud Formation, Cloud Front and EKS.
* Have Extensive Experience in IT data analytics projects, Hands on experience in migrating on premise ETLs to Google Cloud Platform **(GCP)** using cloud native tools such as BIG query, Cloud Data Proc, Google Cloud Storage, Composer
* Experience in creating **DAX measures**, time-intelligence functions and calculations by integrating business rules and concepts.
* Very keen in knowing newer techno stack that **Google Cloud platform (GCP) adds**
* Experience in designing Power BI interactive reports & dashboards for key metrics and dimensions.
* Experience in publishing reports to Power BI Service and Apps, Q&A setup, Sharing and Security setup, Scheduling Dataset refresh, Power BI Gateway Installation, setup and configuration.
* Create and maintain highly scalable and fault-tolerant multi-tier **AWS** and **Azure** environments spanning across multiple availability zones using **Terraform** and Cloud Formation
* Experience in creating **Power BI** Reports from Snowflake, Alteryx Power BI Connectors, AZAS, etc.
* Experience in designing SSAS Tabular models, Importing Data and Direct Query mode, creating Tables and Columns, Date Tables, Relationships, DAX formulas, Measures, Hierarchies, Partitions, Processing, Roles and implementing Row Level Security (RLS).
* Experience in creating **SSAS Tabular models** from Azure databases and deploy to Azure AS Servers.
* Experience in installing SQL Server, Administration, Backup/Restore, Replication, Scheduling Jobs, Creating Indexes, Query optimization, Performance Tuning, Compression, etc.
* Developed and enhanced Solution Data Mart (parquet and csv) accessible to the business team using Synapse external tables.
* Creating pipelines, **data flows and complex data transformations** and manipulations using ADF and PySpark with Data bricks.
* Ingested data in mini-batches and performs transformations on those mini-batches of data by using Spark Streaming to perform streaming analytics in Data bricks.
* Active participation and continuous learning from SQL events, SQL Saturday, PASS MN, Blogs, forums and Webinars on new technologies.

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| **Languages** | Postgres, SQL Server T-SQL Language, Oracle PL/SQL, MongoDB NoSQL, DAX, MDX, Python, PySpark |
| **Database Tools** | SQL Server Management Studio, SSDT, SSIS, SSRS, SSAS Tabular Data Models, Power BI, Kafka, Data stage, Tableau |
| **Operating Systems** | Windows 10/7 Server: Windows 2008/2012/2016 |
| **Software Tools** | Visual Studio, TFS, VSTS, JIRA, Subversion (SVN), GIT, Perforce, Hyper-V Manager |
| **Cloud** | Microsoft SQL Azure, Azure Data Lake, Azure Data Factory, Azure Event Hub, Data bricks, AWS |

**PROFESSIONAL EXPERIENCE**

**Microsoft, Redmond, NV Oct 20 – Present**

**Data Engineer**

* Design and implement **data load** processes from On Premises sources into Azure Data Lake and subsequent **Azure SQL Database**.
* Extracted and loaded data into Data Lake environment **(MS Azure)** by using SHIR – Self hosted integration runtime in azure data factory by connecting to on-prem resources.
* Data Ingestion to one or more **Azure Services** - (Azure Data Lake, Azure Storage, Azure SQL, Azure DW) and processing the data in Azure Data bricks.
* Hands on experience in migrating Business from a physical data center environment to AWS
* Created, provisioned different **Databricks clusters** needed for batch and continuous streaming data processing.
* Experience in moving data between **GCP and Azure** using Azure Data Factory.
* Used cloud shell SDK in GCP to configure the services Data Proc, Storage, Big Query
* Experience using GCP for data migration of Hadoop and spark clusters.
* Query **Sql Server DB** using spark notebooks from Synapse and pause and resume dedicated sql pools using Azure Synapse.
* Traverse through multiple sources to read source files using **Synapse**.
* Data Ingestion to one or more Azure Services - (Azure Data Lake, Delta Lake, Azure Storage, Azure SQL, Azure DW) and processing the data in Azure Databricks, Python.
* Created pipelines in **PySpark** for batch and real time stream analytics paralleling.
* Create processes and procedures for application code and database object migrations to support an efficient and reliable system development lifecycle.

**Boyd Gaming, Las Vegas, NV Jul 18 – Oct 20**

**Lead Data Engineer**

* Migration of on premise data to **Azure Data Lake Store** (Gen 2) using Azure Data Factory(V2).
* Created Data Pipelines using mapping data flows in Azure Data Factory (ADF)
* Created Azure data factory jobs for scheduling and migrating data.
* Worked on Data Factory Editor, to **create linked services**, tables, data sets, and pipelines by specifying JSON definitions.
* Implemented ETL using **Azure Data Factory** (ADF), Databricks, ADLS, Azure database and Azure Synapse
* Scheduled and triggered Azure Data Factory Pipeline using Azure Logic Apps.
* Created **Power BI reports** by using joins in multiple tables from multiple databases using complex queries.
* Worked with Apache Spark for large data processing, **PySpark** for quality check, and AWS for data pipelines.
* Build data pipelines in airflow in GCP for ETL related jobs using different airflow operators.
* Experience in GCP Dataproc, GCS, Cloud functions, Big Query.
* Used Hive QL to analyze **data and Sqoop** to import/export data on AWS.
* Designed Power BI data model with multiple fact tables and dimensions depending on business needs.
* Created Power BI Reports over Multiple files in Azure Data Lake Storage as source, combined files and created trends.

**Radial Inc, Melbourne, FL Jun 17 – Jul 18**

**ETL Lead**

* Perform system and requirement analysis, design and writing technical design documents and test plans.
* Developed and maintained **tables, queries, stored procedures** and views to support business needs and reporting requirements.
* Performing extract/transform/load **(ETL)** routines using SQL Server Integration Services(SSIS).
* Interacted with Business Analysts to understand the requirements and the impact of the ETL on the business.
* Used ETL standards to load into staging tables and then to Dimensions and Facts.
* Developed SQL procedures in **SQL 2014** to generate DML scripts that modified database objects dynamically based on user inputs.
* Perform **Data Analysis**, determining business logic and applying them to Development.
* Performed database transfers and queries tune-up, integrity verification, data cleansing, analysis and interpretation.
* Created reports using SSRS from **OLTP and OLAP** data sources and deployed on report server.
* Created user defined functions in SSRS using VB script.

**AGO, Columbus, OH**  **Apr 15 – May 17**

**BI Lead**

* Developed a **Conceptual model using Erwin** based on requirements analysis
* Design and implement SSIS packages and T-SQL scripts for transforming data from staging tables to full cycle layout text files required by **FICO ETLs** for adding new debts, debtors, creditors, and transactions
* Involved in Planning for Upgrades and Migration of major systems from **SQL Server 2008** R2 to SQL 2014.
* Designed and created different **ETL packages** to migrate data from various sources including Text files, CSV files and Excel Spreadsheets to SQL server 2014 using SSIS.
* Monitoring and resolving issues in the area of data management and integration services (SSIS)
* Designed and modeled **Microsoft SQL Server 2014** data warehouse and data marts, including the modification of existing Microsoft SQL Server 2014 data warehouse and data marts.
* Tuned packages by updating **statistics** and **reorganizing** the indexes to improve the server efficiency in SQL Server 2014.
* Use **TFS for managing** code, validation scripts, and defect tracking for advanced accounting programming issues pertaining to debt placement, transaction codes, payments, and financial bucket balances.

**Wells Fargo, Charlotte, NC Aug 14 – Apr 15**

**MSBI Lead**

* Used metadata tables which can extract data from different sources using **dynamic SSIS package** and Linked Servers.
* Involved in production support, **error debugging** and performance issues while job executions.
* Created SSIS Packages to import data daily from OLTP Applications to data warehouse.
* Created batch files and created **Autosys** Jobs for execution of SSIS packages.
* Deployed **SQL scripts** and SSIS packages into DEV environment using Anthill build tool.
* Created **AUTOSYS** jobs and worked on Jil code.
* Used SQL Compare tool to do DB Comparison in order to compare schema objects in PROD VS DEV environments for Pre-Production release.
* Implemented dashboards and **scorecards** with power pivot for executive management for **data insights** as per business requirements.
* Developed tableau data visualization using **Cross tabs**, Heat Maps, box and Whisker charts, Scatter Plots, Geographic Map, Pie Charts, Bar Charts and Density Charts.
* Utilized Tableau server to publish and share the reports with the business users.
* Created Variables, Expressions for **Connection String**, Project Parameters, Package Configuration, Parent package variables. Worked on Project level deployment in TFS 2012.
* Co-ordinated and guided **offshore** team to achieve the timelines of tasks.

# Trover Solutions, Louisville, KY Aug 12 – Jul 14

**ETL Developer**

* Involved in Design, Development and maintenance of new Installs and **Existing SSIS Packages**, including creating technical specifications for new SSIS requirements.
* Responsible for the Migration of existing Data Junction System to SSIS (**SQL Server Integration Services).**
* Analyzed the requirements and framed the business logic for the ETL process.
* Developing code for the process of loading the data into our databases and following the process of cleansing the data before loading.
* Involved in building the **ETL design** process and implementation.
* Responsible for building Trauma and Non-trauma logic for all of the clients.
* Responsible for creating **Dynamic SQL** store procedures to create the tables and manipulate the data on the fly.
* Create SSIS Packages to extract, transfer and load **(ETL) existing data** into SQL Server 2008 from different environments.
* Implemented the process for finding claims missing patient or subscriber information.
* Loading source files in to raw tables for **data mining** and **data ware housing tasks**.
* Performed performance tuning for longer running store procedures.
* Used Merge function to check against old patient, subscriber and provider information against new data.

**Premier Inc, Charlotte, NC Aug 11 – Jul 12**

**Sr. SQL Developer/Analyst**

* Gathered requirements from users to better understand the **business logic** of the company.
* Developed complex stored procedures and user defined functions for the reports using T-SQL.
* Created User **Defined Functions** to encapsulate frequently and commonly used business logic.
* Involved in the development real time and scheduled reports**(Jasper).**
* Used Temp Tables to reduce the number of rows for joins, to aggregate data from different sources for different reports.
* Built **table valued functions**, scalar valued functions to suffice the needs for business rules and for the implementation in stored procedures.
* Performing intensive data analysis, testing for quality assurance, and migrating releases into stage and production environments.
* Used sub **reports functionality** based on the user requirements in Jasper.
* Modified existing java scripts to implement the changes required by users.
* Used **SQL Profiler and Index Tuning** **Wizard** for the performance tuning of SQL queries and Stored Procedures.
* Created reports using SSRS from **OLTP and OLAP** data sources and deployed on report server.
* Created user defined functions in SSRS using **VB script**.
* Worked on row and column grouping, filtering and sorting the data in the repots using SSRS.
* Created cubes in **SSAS** to be used as data source in the reports

**TitleMax, Alpharetta, GA May 10 – Jul 11**

**SQL BI Developer**

* Involved in the development of **SSRS reports** using **BIDS**.
* Generated periodic reports based on the statistical analysis of the data from various time frame and division using **SQL Server Reporting Services** (SSRS)
* Developed various operational **Drill-through** and **Drill-down** reports using SSRS
* Developed different kind of reports such a Sub Reports, Charts, Matrix reports, Linked reports.
* Used cascaded **parameters** to generate a report from two different Data Sets.
* Used **SQL Profiler** to monitor the server performance, debug T-SQL and slow running queries.
* Involved in designing, developing and testing assigned reports using Microsoft Reporting Services (SSRS).
* Developed **Sub Reports**, Tabular Reports using **MS SQL Server Reporting Services (SSRS).**
* Generated reports using Global Variables, Expressions, and Functions for the reports.
* Used sub reports functionality for complex report calculations.
* Rendered reports in different formats like pdf, excel etc. to be executed automatically on weekly or monthly basis.
* Involved in building the **dimensions and cubes** with star schema and **snowflake** schema using SQL Server Analysis Services (SSAS).

**EDUCATION**

Bachelors in Computer Science, **2008**, JNTU, India

Masters in Software Engineering, **2010**, Stratford University, VA