**Lekkala Bharath Kumar Sr. Power Bi Developer**

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**Professional Summary:**

* Over **8+** years of experience in **Database Designing**, **Data modeling, Developing, Implementing, configuring, managing**, and **troubleshooting** of **MS SQL Server 2000/2005/2008R2/2012/2014** and Business Intelligence **OLTP** (Batch Processing, Online Processing), **OLAP** in SQL Server Reporting Services**(SSRS),** SQL Server Integration Services**(SSIS)**and SQL Server Analysis Services**(SSAS).**
* Hands on experience in all phases of Software Development Life Cycle **(SDLC)** which includes gathering requirements, **analysis, design, development,** and **testing**.
* Expert in all areas of SQL Server development including tables, user functions, views, indexes, Stored procedures, functions, triggers, **clustering**, **T-SQL**, Relational database models, data dictionaries, and data integrity.
* Designed and maintained **PL/SQL** modules, utilizing **PL/SQL** collections and external subroutines to streamline data processing and improve code modularity.
* Collaborated with cross-functional teams to create web-based and network interfaces for seamless integration of **PL/SQL** applications with front-end systems, resulting in enhanced user experiences.
* Experience in Interacting with Business users to analyze the business process and transforming requirements into screens, performing **ETL**, documenting and rolling out the deliverables.
* Experienced in migrating Data from **Excel, Flat file, Oracle, Sybase, DB2, MS access** to **MS SQL Server** using SQL Server Integration Services **(SSIS)**, **BCP** and **DTS** utility.
* Experience in providing **Logging, Debugging** and **Error handling** by using **Event Handlers**, and **Custom Logging, break point, data viewers, check points** for **SSIS** Packages.
* Experience in Performance Tuning in **SSIS** packages by using **Row Transformations**, Block & Unblock Transformations.
* Designed packages which utilized tasks and transformations such as **Execute SQL Task, Data Flow Task, Sequence Container**, **For Each Loop Container, Lookup, Aggregate** and Derived Column and developed packages in **SSIS** with **error handling**.
* Created Package Configurations to **deploy** packages from **development** to **production** server.
* Experienced in optimization tools such as **Index tuning wizard**, **SQL Profiler** and Windows Performance Monitor for monitoring and tuning **MS SQL Server** performance.
* Participating to create **Star Schema**, **Snowflake Schema** using the concept of data modeling with Team.
* Proficient in Dimensional **Data Modeling**, building Cubes, defining Referenced Relationships, and creating **Hierarchies**, **KPIs**, Perspectives, Partitions, Calculated members, and Designed Aggregations in cubes using **SSAS**.
* Good knowledge in optimizing queries using **MDX** and **DMX.**
* Implemented cell level security in cubes using **MDX** expressions to restrict users of one region seeing data of another region using **SSAS**.
* Implemented file handling functions within **PL/SQL** scripts to facilitate data import, export, and manipulation, optimizing data workflows and reducing manual intervention.
* Conducted comprehensive performance tuning of **PL/SQL** queries, analyzing execution plans, applying indexing and partitioning strategies, and utilizing optimizer hints, leading to significant improvements in query response times.
* Expertise in code reviews, defined coding standards using **.NET** Technologies.
* Expertise in **OLAP** and **OLAP Cubes** in **SSAS**.
* Experienced in writing expressions and **fine-tuning reports** and created much **Drill** through, Sub, Parameterized and **Drill Down reports** using **SSRS**.
* Proficiency in creating different types of reports such as **Table Reports**, Crosstab, List Reports, Conditional, **Pie Chart Reports**, Drill-down, Drill through reports, Group reports, sub-group reports, Adjacent group reports, Total Reports, Sub-total Reports, Grand Total Reports.
* Designed, implemented, and maintained **AWS** infrastructure using **Terraform.**
* Developed infrastructure-as-code solutions using **Terraform** to automate **AWS** resource provisioning.
* Collaborated with cross-functional teams to gather requirements and design scalable and secure **AWS** architectures.
* Generated **ad-hoc reports** using **MS Reporting services** and **Crystal reports**.
* Experience in developing **ad-hoc reports** using **Report Builder**.
* Implemented **Report server configuration, Deployed reports, created data driven subscriptions in Development, Test** and **production environments**.
* Experience with **.NET framework** using **ASP.NET, C#.**
* Designed, developed, and maintained data pipelines using **Apache Airflow**.
* Created custom operators, sensors, and hooks to integrate with various data sources and platforms.
* Orchestrated complex workflows and dependencies using **Airflow's Directed Acyclic Graph** (DAG) structure.
* Experienced in administrative tasks such as **data loading, batch jobs, data unloading, Backup, Recovery**, and **scheduling SQL Server Agent Jobs**.
* Designed and implemented presentation logic using **C, ADO.NET** and **ASP.NET 2.0**.
* Expertise in Debugging, Optimizing and Performance Tuning of **MS SQL SERVER 2005/2008/2012Dashboards / Reports**.
* Utilized advanced **PL/SQL** performance tuning techniques, such as AWR and ASH analysis, to identify and address database bottlenecks, resulting in enhanced system responsiveness.
* Used **SCRUM agile methodologies**, test driven development and automated & slip-stream builds.
* Worked on **Power BI** and prepared dashboards using Tableau to make it more attractive.
* Used Microsoft **Power BI** Power Query to extract data from external sources.
* Worked extensively on **Data visualization** and **Data analyzation** using **Power BI**.
* Developed complex **SQL** queries using stored procedures, common table expressions (**CTEs**), temporary table to support **Power BI** and **SSRS** reports.
* Knowledge of developing cubes in **SSAS** and Analyzing Dimensions and Measures.
* Generated reports with parameters, sub reports, cross tabs, charts using Crystal Reports.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Operating Systems** | Windows 10/8/7/Vista/XP/2003/2000, UNIX and Linux. |
| **Languages** | SQL Azure, T-SQL, PL/SQL, MDX, C, C++, C#, ASP.Net, XML, HTML, Java Script, SQL PLUS, Power BI,python |
| **Tools/Utilities** | Enterprise Manager, SSIS, SQL Server Management Studio (SSMS), Query Analyzer, BI Development studio, DTS, Analysis Manager, SQL Profiler, SSIS, SSRS, SSAS, Visual Studio, Power pivot, Import & Export Wizard, Tableau Desktop, Tableau Server. |
| **Databases** | MS SQL Server 2000/2005/2008/2008R2/2012, Oracle 11g/10g/9i, MS Access, SQL Server Azure. |
| **Data Modeling Tools** | Microsoft Visio, UML, Erwin4.5/4.0, Star Schema/Snowflake Schema modeling, FACT& Dimensions tables, Physical & logical data modeling and De-normalization techniques, Kimball & Inmon Methodologies |
| **Software** | MS Office, Adobe Dreamweaver, Adobe Photoshop, Ms Excel, MS-Project 2000 |
| **Reporting Services** | Excel, SQL Server Reporting Services, Crystal Reports, Business Objects, Power BI,Microsoft Power BI Desktop. |
| **ETL** | SQL Server Integration Services (SSIS), Data Transformation Services (DTS) and T-SQL Stored Procedures. |

**Education Details:**

Bachelor’s in Computer Science From JNTU Anantapur

Master’s in Computer Science From Northwestern polytechnic University CA USA

**PROFESSIONAL EXPERIENCE:**

**Client: AT&T, Plano, TX Oct 2022-Till Date**

**Role: SQL BI/Power BI Developer**

**Responsibilities:**

* Implemented **SSIS** packages to perform **ETL** data messaging operations (data profiling, cleansing and verification).
* Designed **SSRS** reports for in depth business analyses.
* Developed 85% custom **Microsoft Power BI dashboards**, visualizations, and interfaces with Microsoft **SSRS** to deliver meaningful and actionable insights.
* Created **SSAS cubes** with **KPIs** and aggregation for the front-end analysis team.
* Utilized **Power BI(Power View)** to create various analytical dashboards that depicts critical **KPIs** such as legal case matter, billing hours and case proceedings along with slicers and dicers enabling end-user to make filters.
* Utilized **Power BI gateway** to keep dashboards and reports up to-date with on premise data sources.
* Involved in providing **ETL** support for the production server.
* Created **SSIS** package to load data from flat files, **Excel** and **XML** file to data warehouse and report-data mart using lookup, derived columns, sort, aggregate, pivot transformation and slowly changing dimension.
* Designed **SSAS Cube** and developed **MDX** queries for analysis.
* Involving in developing test cases for **unit testing**.
* Developed Stored Procedures, User Defined functions, views, triggers, **T-SQL** scripting for complex business logic.
* Used **SSIS** to create **ETL** packages to validate, extract, transform and load data to warehouse databases, data mart databases.
* Utilized **power query** in **Power BI** to **pivot** and **un-pivot** the data model for data cleansing and data massaging.
* Documented all the processes involved in maintaining the database and all the **SSDT** packages for future reference.
* Created complex **SSIS** packages using proper control and data flow elements.
* Worked in scripting **Teradata** load utilities (fast load and multi load) and used to run through **SSIS** by using **execute process task**.
* Built a **Datawarehouse** on **SQL Server**&**Azure** Database.
* Orchestrated the design and maintenance of modular PL/SQL modules, harnessing the power of **PL/SQL** collections and external subroutines to revolutionize data handling processes and code reusability.
* Provisioned VMs with **SQL Server** on **cloud** utilizing **Microsoft Azure** and setting up communication with the help of endpoints.
* Designed and implemented **AWS** solutions for clients based on their specific requirements.
* Utilized **Terraform** to provision and manage **AWS** infrastructure.
* Conducted architectural reviews and provided recommendations for improving system performance, reliability, and security.
* Innovated file handling functions within **PL/SQL** scripts, optimizing data import/export operations and automating data manipulation procedures, resulting in accelerated data workflows, and reduced manual intervention.
* Generated **ad-hoc** reports in **Excel Power Pivot** and shared them using **Power BI** to the decision makers for strategic planning.
* Applied cutting-edge **PL/SQL** performance optimization techniques, including **AWR** and **ASH** analysis, to proactively detect and address database bottlenecks, culminating in a highly responsive and efficient system.
* Implemented security measures such as authentication, authorization, and encryption for **Airflow** deployments.
* Managed user access and permissions within **Airflow**, ensuring appropriate role-based access control (RBAC).
* Worked in production support and on call duties.
* Implemented several **DAX** functions for various fact calculations for efficient data visualization in **Power-BI**.
* Helped to develop and backup and recovery strategy for databases on virtualization platform utilizing **Microsoft Azure**.

**Environment:** SQL Server 2016/17, SSIS, SSRS, Visual Studio 2017/2015, TFS (2015), Power BI, MS Azure,TFS, DTA, SQL Profiler, T-SQL, SSMS, SSAS.

**Client: Altice, USA-New York**

**Role: Senior SQL / Power BI Developer Jan 2021 - Sept 2022**

**Responsibilities:**

* Maintained backup copy for any changes like **Data Migration** or if something changed on the **source** which may affect the dashboards in daily **ETL** loads.
* Involved in requirements gathering, analysis, design, development, and implementation of various applications on **MS SQL Server**.
* Involved in designing, developing, and testing of the **ETL** strategy to populate the data from various source systems using **SSIS**.
* Converted existing BO reports to **tableau dashboards**.
* Distributed **Tableau reports** using techniques like Packaged Workbooks, PDF to different user community.
* Designed **SSIS** packages to load the medical information of the patients enrolled in the program.
* Configuration and Deployment of all the Reports (**RDL**) across various **SDLC** environments.
* Create **SSIS** package to export and import data from **SQL Server** to **Access**, Text and Excel files and configured **database mail agent** for sending automatic mails.
* Monitored performance and optimize **SQL** queries for maximum efficiency.
* Worked on Creating, Modifying, and updating the Views and Functions.
* Created **Cubes** on **SQL Server Analysis Services** as an alternative prototype to an existing relational data mart.
* Extensively used **script task** and **script components** in creation of packages using **C#/VB.Net.**
* Provisioned **VMs** with **PL/SQL** Server on cloud utilizing **Microsoft Azure** and setting up communication with the help of endpoints.
* Created **XML** and SQL Server package configuration to make package dynamic using **SSIS** package Configuration Wizard and deploy packages to production Server.
* Developed and maintained data pipelines using Apache **Airflow** for data extraction, transformation, and loading (ETL) processes.
* Engineered advanced **PL/SQL** techniques, encompassing analytical, hierarchical, and dynamic SQL, to transform and model data for enhanced reporting and actionable insights.
* Designed and implemented data models and schemas for efficient storage and retrieval of processed data.
* Designed **Power BI** data visualization utilizing cross tabs, maps, scatter plots, pie, bar, and density charts.
* Utilized **multi-dimensional** and **tabular** model in analysis services to pull and generate reports directly from in-memory from **back-end relational data sources**.
* Implemented **SSIS** packages to perform **ETL** data messaging operations (**data profiling, cleansing, and verification**).
* Developed and maintained modular **PL/SQL** modules, leveraging **PL/SQL** collections and external subroutines to enhance data processing and promote code reusability.
* Creating the **DDL** Scripts and the **database** change requests for new modernization projects.

**Environment:** SQL Server 2016/17, SSIS, SSRS, Visual Studio 2017/2015, TFS (2015), Power BI, MS Azure,TFS, DTA, SQL Profiler, T-SQL, SSMS, SSAS.

**Client: Royal Caribbean Cruise, Miami, FL**

**Role: Senior SQL Server Business Intelligence (BI) Developer Aug 2017 –Dec 2020**

**Responsibilities:**

* Installed and configured new **SQL** Servers.
* Worked as a part of the Revenue analysis team to develop reports and models using Agile Methodology
* Wrote **T-SQL queries**, **Store Procedures** and used them to build packages.
* Creation and Management of **Jobs**, Schedules and Sending Alerts using **SQL Mail**
* Developed detail and summary financial reports, line and pie chart, trend analysis reports and sub reports according to business requirement using Power View /Pivot Table, Report builder and **SSRS**.
* Performed **T-SQL** tuning and optimization of queries for reports that take longer execution time using **MSSQL Profiler**, Index Tuning Wizard and **SQL** Query Analyzer in **MS SQL Server**.
* Designed and implemented complex **SSIS** package to migrate data from multiple data sources for data analyzing.
* Integrated **Airflow** workflows with various data sources, including relational databases, data lakes, and APIs.
* Conducted data quality checks and implemented data validation and monitoring within **Airflow** pipelines.
* Developed data access queries/programs using **PL/SQL** Query to run in production on regular basis and assists end users with development of complex **Ad Hoc** queries.
* Improved Performance by creating **Clustered** and **Non-clustered Indexes** and by optimizing the **T-SQL** statements using SQL profiler.
* Responsible for performance tuning, optimizing the queries, removing redundant and inconsistent data, **joins** from the **database** tables and **normalizing** them.
* Maintained backup copy for any changes like **Data Migration** or if something changed on the **source** which may affect the dashboards in daily **ETL** loads.
* Created Package Configurations to deploy **packages** from development to production server.
* Configured **PL/SQL mail agent** for sending automatic emails when a **SSIS package** is failed or succeed.
* Scheduled the **SSIS package** services to run at different intervals to fetch the data and for transferring the data into another database.
* Automated data import/export processes and data manipulation using innovative file handling functions within **PL/SQL** scripts, streamlining data workflows, and reducing manual effort.
* Used **SSIS Control Flow** items (**For Loop, executes package/SQL tasks, Script task, send mail task**) and **SSIS Data Flow** items **(Conditional Split, Data Conversion, Fuzzy lookup, Fuzzy Grouping, Pivot).**
* Developed **C# Script** to automate file landing and loading; also developed **C# script** to extract the file from various sources like text and excel files.
* Scheduled different automated refreshes and **reports** using Job activity monitor.
* Implemented **Performance Tuning** and **Query Optimization**.
* Configured and maintained Report Manager and Report Server for **SSRS**.
* Created Sub-Reports, Drilldown-Reports, Drill through, Summary Reports, and Parameterized Reports in **SSRS**.
* Designed and implemented Parameterized and cascading parameterized reports using **SSRS**.
* Involved in deploying, configuring, and managing reports using Report Manager and Report Builder using **SSRS**.

**Environment:** Windows Server 2012, MSSQLServer2012/2008, SQL Server Analysis Services (SSAS), Reporting Services (SSRS 2012/2008), Microsoft Visual Studio 2010, SQL Server Integration Services (SSIS), Data Transformation Services (DTS), .Net, Visual Source Safe (VSS), Web Services, WSDL, MDX, Power BI

**Client: Tracfone Wireless, Miami. FL**

**Role: MS SQL Server / SSIS/ETL Developer Dec 2015 - Jul 2017**

**Responsibilities:**

* Installed and upgraded from **SQL Server 2008 to SQL server 2012** on Various Servers.
* Migrating Databases from **SQL Server 2008 to SQL Server 2012**.
* Planned, defined, and designed data based on the business requirement.
* Creating **dashboard, scorecards** using performance point server according to client requirements.
* Designed high level **ETL/SSIS** architecture for overall data transfer from the **OLTP** to **Data warehouse** with **SSIS** and prepared **ETL/SSIS** mapping processes and maintained the mapping documents.
* Created **SSIS** packages for Dynamic ETL/SSIS flow to validate, extract, transform and load data into database using **Lookup, Fuzzy Lookup, Derived Column, Conditional Split, Slowly Changing Dimension (SCD)** to perform **Data Scrubbing**, including data validation checks during **Staging**, before loading the data into the Data warehouse.
* Maintained backup copy for any changes like **Data Migration** or if something changed on the source which may affect the dashboards in daily **ETL loads.**
* Performed Incremental load with several **Dataflow tasks** and **Control Flow Tasks** using **SSIS**.
* Designed logical/physical data models using **Erwin tool 8.0.** Uses of power pivot.
* Deployed and scheduled Report subscriptions using **SSRS** to generate all daily, weekly, monthly, and quarterly Reports including status.
* Good Knowledge and experience on Power BI Gateways (Personal and Enterprise gateways).
* Used agile development Methodology.
* Responsible for **Full Report Cycle** including Authoring, Managing, Security and generation of Reports.
* Reviewed and fine-tuned stored procedures and triggers before production migration.
* Experienced in creating jobs **Alerts, Alerts, SQL Mail Agent**, and Scheduling **SSIS** Packages using SQL Server Agent job.
* Optimized performance of data processing tasks within **Airflow**, including parallelization and resource allocation.
* Implemented error handling and retry mechanisms for data pipeline failures.
* Implemented various tasks and transformations for data cleansing and performance tuning of packages by using **SSIS**.

**Environment:** MS SQL Server 2012/2008, Enterprise Edition, Bamboo, Performance point server, MS SSRS 2012, MS SSIS 2012, T-SQL, VB Script, Windows Server 2007, and Erwin 8.0

**Client: Westliesoft Technologies, India**

**Role: MS SQL Developer April 2014 - Sept 2014**

**Responsibilities:**

* Perform all **SDLC** phases related to extract, transform, and load (**ETL**) processes using **SSIS** and stored procedures within **SQL Server** environment.
* Developed various objects such as **Functions, Tables, Views, Triggers, Indexes** and **Constraints**.
* Developed **User Defined Functions** for giving Scores and views for the application.
* Reviewed and fine-tuned stored procedures and triggers before production migration.
* **MS SQL server** 2012 installation and configuration, **mirroring of Data Tier Server, TFS** database backup and restoration.
* Optimized queries by looking at **Execution** Plan for better tuning of the database.
* Created **Clustered** and **Non-Clustered** Indexes for Query Optimization and involved in Database Tuning.
* Used **SQL Profiler** for monitoring and troubleshooting performance issues in **T-SQL** code and stored procedures.
* Participated in **Claims, building** and **testing** members
* Work **cross-functionally** with Sales and Operations teams to provide data-driven recommendations and solutions to clients.
* Involved in **DBA** activities such as **backups, restores, replication etc**.
* Performs **database tuning** and **troubleshooting**.
* Install and **troubleshoot** replication, performs production migrations, backups, and database recovery.
* Performed **Full load & Incremental load** with several **Dataflow tasks** and **Control Flow Tasks** using **SSIS**.
* Configured Connection Manager files for **SSIS** packages to dynamically execute on Quality Analysis server and Production server.
* Maintained **Batch logging, Error logging** tables and **handled errors** using **Event handlers**.
* Create **SSIS** package to export and import data from **PL/SQL Server** to Access, Text and Excel files and configured database mail agent for sending automatic mails.
* Created views in **Tableau Desktop** that were published to internal team for review and further data analysis and customization using **filters and actions**.
* Monitored and maintained the health of **AWS** environments and performed necessary infrastructure scaling.
* Create cohorts to show impact of **health management programming** and identify cost savings at both the individual and population level.
* Accountable for processing **claims** and **Provider** contracts for **medical, ancillary** and **ASC entities**.

**Environment:** MS SQL Server 2008R2, Visual Studio, Windows 2008, T-SQL, MS Excel, Microsoft SQL Server Integration Services (SSIS) 2008, Tfs