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AI-generated content may be incorrect.

**Silpa Kumari**

**Sr. Power BI Developer**

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**Professional Experience****:**

* Around 6+ years of hands-on experience as Business Intelligence (BI) Analyst creating dynamic and intuitive visualizations with Power BI, and SQL Server Reporting System (SSRS).
* Comprehensive and strong skills in SQL development, SQL Server, data warehouse (DWH) designing, building and implementing custom interfaces in domains such as POS, Reporting, finance, and insurance.
* Designed and developed Power BI graphical and visualization solutions with business requirement.
* Integrated Custom Visuals based on business requirements using Power BI desktop.
* Working knowledge in gather external data to Tableau from different sources like Oracle JD Edwards, Salesforce.com, IBM Cognos, SQL Server & Excel, for data visualization.
* Involved in setting up Power BI Environment, creating app workspaces, publishing apps and setting up Power BI Gateway, giving admin access to users.
* Proficient in writing complex T-SQL (DDL, DML), new features like CTE, Ranking Functions, TOP(n), PIVOT, XML PATH,SQL, Physical, logical database design and Performance tuning.
* Experience with a variety of NLP methods for information extraction, topic modelling, parsing, and relationship extraction.
* Snowflake Developer with strong Power BI expertise and a proven track record in financial, healthcare, and federal data analytics projects.
* Hands-on experience in Snowflake integration, performance tuning, and scalable data modeling using star and snowflake schemas.
* Developed and optimized ETL pipelines and SQL queries for large-scale datasets, enabling real-time analytics and reporting.
* Built and deployed Power BI dashboards using Snowflake as the backend, improving decision-making and operational transparency.
* Expertise in Snowflake features including Snowpipe, zero-copy cloning, result set caching, and virtual warehouse optimization.
* Implemented secure data access models and compliance frameworks (HIPAA, PCI DSS) using RBAC and Snowflake's governance tools.
* Migrated legacy reports from OBIEE and Oracle to Power BI, ensuring performance and functionality gains.
* Reduced dashboard load times by up to 55% through efficient data modeling and Snowflake tuning strategies.
* Collaborated with cross-functional teams including business analysts, engineers, and data stewards for end-to-end solution delivery.
* Developed Tableau Data Extracts from the above-mentioned data sources using Pentaho Data Integration ETL tool.
* Experience with statistical programming languages such as R and Python.
* Coded and tested SQL queries based off the persistent table using Inline Views, Dynamic Sql, Merge statements. Built and monitored indexes to bring down processing times from minutes to seconds
* Expertise in automating data collection, processing, and reporting workflows using UiPath.
* Expert in Tabular Modeling, Multi-Dimensional Cubes, DAX and MDX (SSAS).
* Skilled in creating measures, calculating columns and performing time series analysis using DAX in Power BI
* Help UAT users in setting up test instance for testing the reports
* Collaborate with cross functional teams and stakeholders to resolve data quality and operational issues and ensure timely delivery of work product.
* Competent in MS Dynamics CRM, C#, XML, Fetch XML, HTML5, CSS, JQuery, JavaScript, SQL Server, SSIS and SSRS.
* Skilled in importing, shaping and transforming data in Power BI.
* Hands on Experience in optimizing the SAP BO queries by creating various clustered, non-clustered indexes and indexed views.
* Embedded Power BI reports on front end portal page and managed user level access using roles.
* Experienced in Data Analysis Expressions (DAX) functions to create measures in data model in Power BI.
* Efficient with Data Manipulation Language (DML), Data Definition Language (DDL) for creating Tables, Stored Procedures, Views, Indexes, User Defined Functions.
* Connected different data sources to Tableau like Oracle JD Edwards, Salesforce.com, IBM Cognos, SQL Server & Excel for live connection on various Dashboards.
* Proficient in the SSAS storage and partitions, aggregations, defining hierarchies, calculation of queries and developing reports using MDX and T-SQL.
* Developed complex reports using SSRS and deployed into MS CRM.
* Hands on learning with different ETL tools to get data in shape where it could be connected to Tableau through Tableau Data Extract.
* Extensive experience in Text Analytics, developing different Statistical Machine Learning, Data Mining solutions to various business problems and generating Data Visualizations using R and Python.
* Created stored procedures, functions and packages for moving the data from staging area to data mart.
* Expert in debugging, logging, error handling and event handling for SSIS Packages.
* Extensive experience in design and developing of jobs, workflows, Data flows and creation of transformations between source and target database using SAP Business Objects Data Services (BODS / BODI) Designer.
* Extensively worked on system analysis, design, development, testing and implementation of projects (SDLC) and capable of handling responsibilities independently as well as a proactive team member.
* Quick learning capability, delivering solutions as an individual and a good team player.
* Having a zeal for reporting, out of the box thinking competence.
* Performed time series analysis using DAX expressions in Power BI.
* Experience in the maintenance and scheduling of Tableau Data extracts using Tableau server and the Tableau Command utility.
* Good understanding and exposure to Software Development Life Cycle (SDLC) methods like Water and Agile, Process Documentation, Data Organization, System Documentation, and Report Writing.
* Working knowledge on Team foundation server (TFS)
* Working knowledge on JIIRA

**Technical skills:**

Tools : MS SQL Server Data Tools, MS Visual Studio, VSTS, Power BI, JIRA

SQL Server Data Tools : SSIS, SSAS, SSRS, SQL Management Studio

Languages : T - SQL, Linux, JavaScript, VBA (Excel)

Databases : MS SQL server, Oracle

Office Tools : MS Office Suite/Access/PowerPoint

Operating System : Windows Enterprise, Windows Server

**Clayton County Public School,** **Jonesboro, GA July 2022 to present**

**Sr. Power BI Developer**

* Involved in conducting full lifecycle analysis which includes gathering requirements, design, loading data, creating dataflows in Power BI Service, and creating reports and publishing on to workspaces.
* Involved in Sprint planning meetings
* Used Zeplin, a collaboration tool for UI designers and front-end developers. It goes beyond the design workflow and helps teams with the design hand - off.
* Integrated GPT-based AI models to automate insights generation and provide predictive analytics.
* Integrated Power BI with Microsoft Dynamics 365 to extract, transform, and analyze CRM/ERP data.
* Build dashboards in Power BI by extracting data from SAP HANA, SharePoint using SQL queries
* Implemented Anaplan integrations using RESTful APIs to streamline data exchange between Anaplan and third-party systems (CRM, ERP, etc.).
* Graphic design UI/UX to ensure the usability of the site and change management to assist in the analysis and outreach in the adoption of the data.
* Designed and developed interactive Power BI dashboards for Cyber Metrics Reporting (CMR), including metrics like incident response times, vulnerability trends, and threat detection rates.
* Wrote T-SQL (DDL and DML) queries, Store Procedures and used them to build packages and handled slowly changing dimensions to maintain the history of the data.
* Extensively used the advanced features of PL/SQL like Records, Tables, Object types and Dynamic SQL.
* Installed and Configured Cognos Analytics on Dev, Qa and Prod environments
* Client on-boarding on Salesforce CRM and process owner of Salesforce work request - customizing the CRM application based on market needs/product manager/CSM team.
* Collaborated with data architects and analysts to design scalable Snowflake data models (star and snowflake schemas) supporting enterprise-level Power BI reporting.
* Developed robust ETL pipelines using Snowflake SQL to load and transform over 10TB of transactional data for real-time credit and fraud analytics.
* Integrated Power BI with Snowflake using DirectQuery and import modes to enable high-performance dashboards across financial metrics and credit risk profiles.
* Tuned complex SQL queries and Snowflake virtual warehouse parameters to optimize performance for concurrent Power BI usage.
* Implemented column-level security and row-level security models within Snowflake to support compliance with PCI DSS and internal audit controls.
* Built reusable views and materialized tables in Snowflake to improve Power BI dataset refresh times by 40%.
* Automated Power BI report delivery using Power BI Service and Snowflake task scheduling.
* Supported data ingestion via Snowpipe and cloud storage integration for semi-structured data (JSON, Parquet) relevant to fraud detection models.
* Documented lineage, logic, and performance tuning strategies for enterprise-wide reuse.
* Architect and build a highly scalable NLP system for processing large-scale unstructured data
* Created measures, calculated columns, relationships and performed time series analysis using DAX in Power BI
* Advanced use of UiPath for automating Excel-based tasks such as data manipulation, report generation, and data cleaning.
* Worked with Account Manager to increase productivity by improving and creating workflows on Sugar CRM.
* Spearheaded the integration of Anaplan with multiple internal and external systems using RESTful APIs, including CRM and ERP platforms, ensuring seamless data synchronization.
* Developed RESTful Web APIs with C#, .NET Core and .NET Framework.
* Used DAX functions to create measure and calculated fields to analyze data for logical visualization and used Power Queries to transform the data.
* Built AI-powered chatbots using OpenAI GPT APIs for automated report interpretation.
* Participated In design meetings with the BI team
* Collaborated with cybersecurity teams to define and track Key Performance Indicators (KPIs) for CMR, ensuring alignment with organizational security goals.
* Interpret data, analyze results using statistical techniques and provide insightful reports.
* Generate Reports and Dashboards in interpreting trends or patterns in complex data sets.
* Experience querying data from database
* Implemented 3rd Party CA to allow for SSL between components in IBM Cognos Analytics 11
* Extensively used Power BI tool for Report creation
* To prepare test data, review, and test developed UIs for adherence to specified UI/UX designs.
* Used various sources to pull data into Power BI such as Sql Server, SAP BW, Oracle, SQL Azure etc.
* Managed the Salesforce CRM business process for Technical Team Request - assistance required by clients
* Worked on Data modelling and transforming data for the report design.
* Integrated Microsoft Dynamics data with Power BI to create unified dashboards for tracking customer engagement and sales performance.
* Excellent problem-solving approach, analytics skills, T-SQL coding commands.
* Created measures, calculated columns, relationships and performed time series analysis using DAX in Power BI
* Data was processed in Alteryx to create tde for reporting
* Implemented table variables, temp tables, CTE’s, and dynamic SQL techniques to improve the performance of slow running queries.
* Performed data validation, debugging and analyzed the reported issues.
* Used Text Mining and NLP techniques find the sentiment about the organization. With RNN, we could classify it with great accuracy.
* Conducted training sessions for stakeholders on interpreting CMR dashboards and reports.
* Responsible for maintaining scalability and manage data quality by building a Python script that parses 150GB historical data, from AS400 to pre-process unstructured data to Teradata.
* Extensive use of DAX (Data Analysis Expressions) functions for the Reports and for the Tabular Models.
* Extensively used DAX functions for the Power BI reports
* Used JIRA as test management tool.
* Customized different CRM Suite sites by customizing based on account management need as a Business Analyst role.
* Extracted and analyzed data from Microsoft Dynamics to identify trends and insights.
* Experience or knowledge with designing, developing, and implementing applications using Anaplan framework; client interface design Power BI SQL Database design and development
* Used Data Analysis Expressions (DAX) to create measures and calculated fields to analyze data and to create time intelligence.
* Interact With front end applications by Web and Client/Server Application development using Microsoft .NET Framework with C# and VB.NET as programming languages, Restful webapi using c#api.
* Utilized RESTful API connections to pull in data from external applications and provided seamless data synchronization across platforms.
* Very strong Dashboard UI/UX design experience and passionate in building TEMPeffective data visualizations for the best user experience.
* Utilizing UiPath to identify data discrepancies, validate quality, and ensure consistent, accurate datasets.
* Power BI Visualizations are published to a website hosted on Azure cloud
* Adhoc data cleansing and standardization using Alteryx
* Implemented passthrough authentication for Cognos to access Databases
* Written T-SQL scripts, dynamic SQL, complex stored procedures, functions, triggers and SQLCMD.
* Transition department from Salesforce Classic to Salesforce Lightening version
* Optimized CRM sites by using database indexes, performance tuning on Open Suite CRM.
* Experience in interpreting trends or patterns in complex data sets
* Collaborate with cross-functional teams and stakeholders to resolve data quality and operational issues and ensure timely delivery of work product.

**Environment:** AWS SQL Database, UI path, SAP, T-SQL, CMR, Salesforce, SQL Server Management Studio (SSMS), Anaplan, Power BI reporting, Visual Studio, DAX, JIRA, Snowflake.

**Leidos, Baltimore, MD || Jan 2021 to July 2022**

**Power BI Developer**

* Interacted with the business users to understand the business requirements and the existing system.
* Understanding the business requirement and functional specification of the client module with Business Executives & Analysts.
* Data was processed in Alteryx to create tde for reporting.
* Fetched the data from different sources like SharePoint, and cloud solutions like MS Access data base - Flat files, Able to load data from Excel, Flat Files, XML, different databases and SQL database.
* Installed Deployed and implemented new CRM applications, moves the applications and databases from different servers in Linux environments, Agile methodology environment.
* Led Snowflake data warehouse modernization efforts by migrating legacy Oracle datasets into scalable Snowflake structures to support defense analytics.
* Built Power BI dashboards on top of Snowflake data sets to visualize mission-critical KPIs and contract performance across federal initiatives.
* Employed zero-copy cloning in Snowflake for seamless environment refreshes between dev, UAT, and prod without impacting storage costs.
* Developed parameterized, reusable stored procedures and scripts in Snowflake for secure and efficient data transformations.
* Optimized Snowflake compute costs using warehouse scaling policies and query profiling for cost-aware dashboard usage.
* Integrated Snowflake with Azure Synapse and Power BI, enabling fast access to curated datasets across government business units.
* Implemented audit trails and metadata monitoring using Snowflake’s INFORMATION\_SCHEMA and ACCOUNT\_USAGE views.
* Participated in the redesign of slow-performing dashboards by restructuring Snowflake queries and introducing cache-aware design.
* Worked on writing the T-SQL code for the historical data to pull according to the specification requirement.
* Leverage a broad stack of technologies — Python, Docker, AWS, Airflow, and Spark to reveal the insights hidden within huge volumes of numeric and textual data.
* Created Request for Change (RFC) for Change Management Request (CMR) for moving database/ tech changes from Development to Testing and to Production during sprints.
* Used various sources to pull data into Power BI such as SQL Server, SAP BW, Oracle, SQL Azure etc.
* Setting up an active directory on the tableau server for the effortless password management for the single sign-on in the Salesforce and to view the embedded dashboards.
* Leveraged Microsoft Dynamics 365 data to create CRM dashboards, improving visibility into customer interactions and sales pipelines.
* Extensively used dynamic SQL, procedures and database triggers.
* Integrated Cognos Analytics environment with Okta for centralized single sign on solution.
* Developed Microsoft Power BI Dashboards to showcase the result of data analysis from the database.
* Developed Tabular Reports, Sub Reports, Matrix Reports, drill down Reports and Charts using Power BI.
* Involved in creating MDX, DAX, Cubes and Tabular models. Used different types of visualization Like (Stacked bar Chart, Clustered bar Chart, Scatter Chart, Pie Chart, Donut Chart, Line & Clustered Column Chart, Map, Slicer etc.) in Power BI according to the requirements.
* Trained client teams on Anaplan best practices and RESTful API usage for continued maintenance and development of models post-deployment.
* Worked with NLTK library for NLP data processing and finding the patterns.
* Generated dashboards in POWER BI Desktop and POWER BI Service using super-fast slice and dice and modern data visualization features.
* Defined and created reports and dashboards on system performance and utilization metrics for preventive monitoring and effective capacity planning.
* Experience in using Microsoft SQL, T-SQL language (queries, views, procedures), SQL Server Database Design, Stored Procedure Design and implementation
* Developed an ETL for data migration from several sources to MySQL, and flat files to CRM.
* Implemented Role based access security using Microsoft Power BI.
* Knowledge on connecting various Data Sources in Power BI Service using On-Premises Gateway connection.
* Integrated custom visuals based on business requirements using Power BI desktop
* Imported data from SQL Server DB, Azure SQL DB to Power BI to generate reports.
* Used various sources to pull data into Power BI such as Sql Server, SAP BW, Oracle, SQL Azure etc.
* Migrated existing reports to POWER BI reports.
* Worked on Advanced SQL skills, fluent in R and/or Python, advanced Microsoft Office skills, particularly Excel and analytical platforms
* Provided data architecture and modeling to ensure that data within the Claims Management System (CMR) was in line with compliance guidelines.
* Customize cognos portal and added new dashboard icons by writing Json script
* Developed Tableau dashboard landing page for the embedding into Salesforce to provide integrated views and navigation inside Salesforce for the users.
* Designed and optimized dynamic SQL batches to perform bulk operations in the OLTP environment.
* Created Gauge Report, Sub Reports, Drill down Reports, Summary Reports, Linked Reports and Parameterized Reports for different departments.
* Implement the SAP Business Objects reporting requirement.
* Assisted in the implementation of Microsoft Dynamics 365, ensuring data integrity and alignment with business processes.
* Managed Anaplan integrations, leveraging RESTful APIs to automate data retrieval and integration from various data sources (e.g., SQL databases, third-party APIs).
* Implemented skills like MS Power BI, Azure related data management
* Developed various dashboards for the non-Salesforce group of users for their specific goals of understanding data.
* Implemented dashboards and scorecards with power pivot for executive management for data insights as per business requirements.
* Worked with CMR - downstream (Customer Management Repository) team to confirm the fields which had been sent from Concierge/OSRO after account opening.

**Environment:** SQL Server, SQL Server Management Studio (SSMS), NLP, SAP, Anaplan, UIpath, Power BI, Alteryx, Visual Studio, Excel, DAX, SSIS, Business Intelligence Development Studio (BIDS), CMR, Azure Analysis services (AAS), Snowflake.

**Advent Health, Altamonte Springs, Florida Aug 2019 to Dec 2020**

**Power BI Developer**

* Built and published customized interactive dashboards utilizing Power BI.
* Explore data in a variety of ways and across multiple visualizations using Power BI.
* Created DSV, Cubes, and Dimensions, DMX/MDX for SSAS Reports.
* Applied transform rules Data Conversion, Data Cleansing, Data Aggregation, Data Merging and Data split.
* Created new measures and new calculated columns for reports and dashboard analysis.
* Utilized the Agile Scrum methodology to analyze the requirements to create stories.
* Extracted data from Oracle, SQL Server, Flat Files, Excel and XML using SSIS and cleanse the data.
* Administered and deployed OLAP cubes on development and production server for performance analysis using SSAS.
* Writing T-SQL scripts, dynamic SQL, complex stored procedures, functions, triggers and SQLCMD.
* Extract, Transform and Load data from databases of systems like CRM, ERP and SharePoint
* Wrote DAX Expressions, Power Query, Functions in Power BI.
* Designed and developed Snowflake data marts to support healthcare analytics dashboards in Power BI across patient care, billing, and clinical outcomes.
* Collaborated with data stewards and compliance teams to implement HIPAA-compliant data access policies using Snowflake role-based access control.
* Developed and maintained Power BI semantic models with direct Snowflake connections to support over 50 enterprise dashboards.
* Streamlined nightly ETL workflows from EHR systems (e.g., Epic) into Snowflake using automated Snowpipe and task orchestration.
* Created performance dashboards in Power BI to monitor operational metrics such as bed utilization, treatment turnaround, and revenue cycle analytics.
* Tuned Snowflake queries using clustering keys and result set caching to reduce report load time by 55%.
* Conducted code reviews and performance audits of Snowflake scripts to maintain scalability and query efficiency.
* Migrated over 25 legacy OBIEE reports into Power BI, reusing Snowflake views and enhancing visual interactivity.
* Developed complex SQL queries using stored procedures to support Power BI and SSRS reports.
* Involved in SQL testing to meet business deadlines.
* Experience coding complex stored procedures using T-SQL
* Perform Data Cleaning, features scaling, features engineering using pandas and NumPy packages in Python.
* Developed/Created Average Claims by Severity reports - This Report displays business KPIs like Incurred Loss, Paid Amt, Claim Frequency and Avg Incurred Loss summarized by Adjusting Office.
* Created Claims recovery summary reports.
* Used different types of visualization Like (Stacked bar Chart, Clustered bar Chart, Scatter Chart, Pie Chart, Donut Chart, Line & Clustered Column Chart, Map, Slicer etc.) in Power BI according to the requirements.
* Implemented data migration from Microsoft Azure cloud platform to on-premises data servers utilizing Azure cloud technology.
* Created various dashboard reports for commission, sales and profit analysis.
* Maintained existing Power BI reports and dashboards and made changes onto the same as per new and changing business requirements.
* Working with Performance Point Services, PivotTables, Tabular Model and Slowly Changing Dimensions and used MS Dynamics CRM, Splunk AppD for data visualization.
* Worked on reporting project for Order Management data of Oracle ERP
* Implemented Star and/or Snowflake schemas while designing relational database and data warehouse as per business and report requirements.
* Create JSON output files using Alteryx and merge them using JavaScript and Lua, to replicate the data on front end executive dashboard.
* Automated report generation from Salesforce CRM (data cleaning/extraction, SOQL)
* Used dashboards for data analysis and custom reports.
* Adopted Agile Software Development Methodology.

**Environment:** SQL Server, Microsoft Visual Studio, Power BI, Alteryx, Windows, MS Office, SQL Server Integration Services, SQL Server Reporting Services, SharePoint RW3 Technologies, Snowflake.

**Bank of America,** **Charlotte, NC Jan 2019 – Aug 2019**

**SQL/BI Developer**

* Responsible for the installation, configuration, security, maintenance, and restoration of SQL Server on Windows Server 2008.
* Extensively used Joins and Sub-Queries to simplify complex queries involving multiple tables.
* Worked with database objects such as tables, views, and indexes.
* Worked on migrating applications from QlikView to QlikSense and took part in resolving critical compatibility issues during migration.
* Created ad-hoc reports using SQL Server 2008 Reporting Services (SSRS).
* Uploaded RDL files from SQL Server 2016 Reporting Services (SSRS) to SQL Server 2016.
* Dataverse/ Dynamics 365 as Data source for PowerApps, PowerBI
* Migrated all DTS packages to SSIS, modifying them with advanced SSIS features.
* Strong data modeling experience using ER diagrams, dimensional data modeling, Star Schema, and Snowflake Schema.
* Played a key role in production support of SSIS jobs.
* Worked with server staff to allocate physical data storage in PeopleSoft ERP system.
* Responsible for gathering requirements, business, and technical rules, implementing QlikView and QlikSense applications.
* Created ETL packages using SSIS to validate, extract, transform, and load data from the Guidewire OLTP Data Warehouse and Data Mart.
* Migrated data from various sources (text-based files, Excel, and Access) to SQL Server using SSIS data flow tasks like Data Conversion, Conditional Split, Derived Column, and Multicasting.
* Provided full reporting lifecycle support using MS SQL Server Reporting Services 2016.
* Designed and developed parameterized, drill-down, and aggregation reports in SSRS 2014.
* Developed, tested, and deployed reports in MS SQL Server environment using SSRS 2016.
* Generated trigger-based reports (daily, weekly, and monthly) for assigned projects, to be distributed to managers and clients.
* Designed SSIS packages to extract, transform, and load (ETL) data into SQL Server for SSAS cubes.
* Designed and developed SQL Server Analysis Services (SSAS) databases and OLAP cubes for ad-hoc analytics and automated reporting.
* Assisted to setup SQL database security depend on request in PeopleSoft ERP application, established end-user database access controls.
* Worked with QlikSense upgrade at teh lab environment.
* Involved in the design, analysis, building, and testing of OLAP cubes in SSAS, adding calculations using MDX.
* Used Snowflake and Star Schemas to design cubes in the SSAS environment.
* Built cubes with SQL Server Analysis Services (SSAS) and queried data using MDX script.
* Responsible for the backup and restoration of SQL Reporting Services.

**Environment:** SQL Server 2016/2014/2012, Reporting Services (SSRS), Integration Services (SSIS), Analysis Services (SSAS), DTS, Power BI, Erwin, Auto Sys Scheduler, Informatica Power Center 9x, Informatica Power Center 8.6, Oracle 9i/8i, T-SQL, MDX, Windows 95/NT/2000/2003, XML, MS Excel and MS Access

**Education:** Master’s in Information Technology and management in Concordia University St.Paul