**Arun Kumar Maram Email:** [arunkumarr5991@gmail.com](mailto:arunkumarr5991@gmail.com)

**Senior BI developer**

**Contact: +19404370551**

**PROFESSIONAL SUMMARY:**

* **8+ years** of professional Senior BI developer expertise in **Advanced Reporting Analytics** and **Data Warehouse Management**. Extensive experience in scoping, planning, designing, implementing, delivering, and maintaining enterprise business applications, data integration, predictive/statistical models, reporting, performance analysis, and data migration (ETL) using Agile, Waterfall, and Iterative development processes**.**
* Experienced in **database design**, **schema creation** and management with **Oracle 11g/10g/12c/OAS** databases, and a wealth of knowledge in **PL/SQL** and **T-SQL** query performance and stored procedures.
* Experience in creating **Tables**, **Views**, and **Synonyms**, **Indexes**, **Sequence**, **Users** and assigning privileges in development environment.
* Proficient in Detailed and Low-Level (Subject-Specific) Design and Implementation of **OLTP** and **OLAP** (Data-Warehousing, Decision Support System, Data-Marts).
* Expertise in **data warehousing**, **ETL techniques**, source and target system analysis, metadata, process management, **reporting**, and **business intelligence**.
* Improved system response speed and efficiency by fine-tuning **SQL queries** and designing the database.
* Expertise in Database Design, Database programming, SQL and **Database Tuning** and Database Administration, **Performance Tuning.**
* Deeply involved in the creation and performance optimization of **SQL**, **PL/SQL**, and **T-SQL** programs utilizing bulk-collect, global temporary tables, explain plans, table partitioning, indexes, join optimization, and hinting.
* Used **Power Query** to perform column manipulations, including **pivoting**, **unpivoting**, and **splitting**.
* Expertise in developing ETL procedures from source and link data to identify patterns and connections between various data sets, make relevant deductions, and convert analytical results into value-adding risk management and marketing plans.
* Demonstrated experience with version control systems like **GIT** and project management tools like **JIRA** and **Team Forge**.
* Experienced in creating a variety of analytical dashboards using **Power BI** that show important KPIs like **MAPE** and **MSE** and include slicers and dicers that let users set criteria.
* Experience in developing many reports for business analysis using **SSRS**, including parameter-based, graphical, excel, drill-down, tabular, and on-demand/scheduled.
* Hands on experience on **Tableau Desktop** versions 7/8.2, **Tableau Reader**, and **Tableau Server**.
* Created visually appealing dashboards that tell the story behind the statistics.
* Designed dashboards with the use of interactive dashboard design, visual best practices, and guided analytics methodologies.
* Involved in the implementation of **BI Apps 11g/12c/OAS** for the **Finance** and **HR** module customization according to the client requirements.
* Undertook the responsibility in generating **OBIEE** reports using SQL Server and dashboards in OBIEE 11g/12c/OAS and ODI.
* Experience in working with **physical**, **BMM**, and **Presentation** layers of Repository.
* Working knowledge of **Agile** and the full software development cycle, including code reviews and source control management.
* Proficient in building test plans, cases, scenarios, and strategies, as well as managing defects to provide quality assurance and meet business needs.
* Experience in **unit testing**, **Integration testing, QA testing**, and **performance testing** of the code and doing a peer review.
* Assisted draft **user stories** with SMART acceptance criteria for effective issue resolution.
* Highly involved in all phases of **SDLC** process using **Waterfall** and **Agile Scrum** methodologies.
* Coordinate with cross-functional teams to execute short and long-term product delivery strategies, with a successful track record of implementing best business practices.
* Good communication and strong interpersonal and organizational skills with the ability to manage multiple projects. Always willing to learn, adopt new technologies.

**TOOLS AND TECHNOLOGY:**

|  |  |
| --- | --- |
| **BI Tools** | PowerBI Apps, Tableau, OBIEE 11g/12c/OAS |
| **Programming Languages** | SQL, PL/SQL, Python, Java, R programming |
| **Database Technologies** | Oracle 10g/11g, MySQL, SQL Server, PostgreSQL |
| **ETL Tools** | Snowflake, Informatica, ODI, DBT |
| **Operating systems** | Linux (Ubuntu, Centos, RedHat), Windows (XP/7/8/10) |
| **Version Control** | Git, Bitbucket |
| **Development Methodologies** | Agile, Waterfall |
| **IDE and Build Tools** | Jupyter Notebook, Visual Studio, Google Collab, Confluence, Alteryx, Anaconda, Jira |

**PROFESSIONAL EXPERIENCE:**

**Senior Business Intelligence developer Sept 2022 to present.**

**Client- PNC bank, Remote.**

**Roles and Responsibilities:**

* Design and develop the proof of concept according to **business users**.
* Create best practices and monitor the code in the **QA**, **Production**, **test**, and **development** environments.
* Create and develop **Ad-Hoc reports** in accordance with the needs of the business.
* Establishing daily tasks for **data dumps** for different teams.
* In charge of moving data analytics from **Tableau** to **Power BI**.
* Designed and developed the Data Analytics to **Power BI migration**.
* Created and designed the Power BI **dashboards**, scorecards, and **KPIs**.
* Experience in building the Calculated columns and Measure in the **Data Analysis Expressions (DAX)**.
* Implemented scheduled data refreshments with on-premises data gateways as per the business requirement.
* Demonstrated experience with **Power Query** for data cleansing and wrangling.
* Applied the **custom visuals** in accordance with the report requirements.
* Experience in working with multiple data sources.
* Create and develop **data marts** in accordance with business needs.
* Converted the current **Excel reports** from Microsoft to Power BI.
* Have a great deal of expertise in creating the best user experience possible by utilizing **Bookmarks**, **Sync Slicers**, and **Buttons**.
* Developed **SSIS** Templates that facilitate the dynamic deployment of SSIS Packages into development, test, and production environments.
* Involved in **indexing tables** (Cluster Index, Non-Cluster Index) for performance customization.
* Used **SQL Server** 2012 tools, such as SQL Server Management Studio, SQL Server Profiler, SQL Server Agent, and Database Engine Tuning Guide, to carry out everyday activities, including backup and restore.
* Developed a range of cube objects, including translations, aggregations, drill through actions, and KPIs. Actions, hierarchies, attribute relationships, and KPIs with further functionality were implemented.
* To increase SQL Server Analysis's performance, the **Star schema** on 2012 Server was used to migrate and reconstruct the existing Dimensions and Cubes (**SSAS**).
* Proficiency with setting up and maintaining SSAS hierarchies, cubes, dimensions, mining structures, roles, and data source views.
* Designed and developed **MySQL** scripts for **data dumps** for business analysis on behalf of other teams.
* Developed queries from diverse sources using joins, sub-queries, and complicated filters.
* Developed the Ad-hoc Reports MySQL scripts.
* Part of the **Agile** Team and work on weekly sprints, daily standups, sprint planning, stakeholders’ demo, production rollout, and signoff.
* Keeping track of the process using the **JIRA** ticketing system and reviewing tickets before moving them on the **Kanban** board.

**Environment**: Power BI Desktop, Tableau, Power BI Services, Power BI On-Premises Gateway (Standard mode and Personal Mode), SSIS, SSAS, SQL Server, SQL Server Agent, SSMS, MySQL, SQL, DAX, M- Language, Power Query, EXCEL, ETL, GIT.

**Senior PowerBI developer Jan 2021 - July 2022**

**Client- CDK global, Austin, Tx.**

**Roles and Responsibilities:**

* Identified and resolved business difficulties in close collaboration with multiple teams around the organization.
* Collecting and evaluating client requirements, comprehending, and translating them into **database solutions**, and engaging in **architecture**, **analysis**, **design**, **testing**, **programming**, **deployment**, **documentation**, and implementation with a strong foundation
* Generated Power BI reports and dashboards, import data from various data sources.
* Demonstrated ability to create **reports**, **charts**, and **dashboards** in Power BI Desktop and manage security to meet needs.
* Transform, define, and explore the data from the data source and run the merge and append queries using Power Query.
* Performed improvements like **Pivoting**, **Unpivoting**, and Splitting of the columns using **Power Query**.
* Created several chart kinds and drill-down reports using **Power Bi Desktop (SSRS**).
* Involved in **SSRS** report layout definition.
* Used **DAX** in Power BI to create measures, compute columns, relationships, and carry out time series analysis.
* Dashboards were generated by publishing reports and visuals to **Power BI Service**.
* Using visualizations such as **bar charts** and **line charts**, among others, created **hierarchies** in Power BI reports.
* Developed reports using Power BI by working with both import and real-time data.
* Managed relationships between tables in Power BI using **star schema**.
* Familiar with **Data Modeling**, which is used in businesses to specify and evaluate the data requirements required to support business operations within the context of related information systems.
* Updated the dashboards and reports using **Power BI Gateways**.
* Proven track record of creating numerous details, **summary reports**, trend analysis reports, line and **pie charts**, and **sub-reports** in accordance with the needs of the business.
* In charge of developing and modifying **Power BI** report and dashboard visuals in response to client needs.
* Maintain code repositories for **Databricks** notebooks, **Data Factory** pipelines in **GitHub.**
* Part of the **Agile** Team and worked on bi-weekly sprints, daily standups, sprint planning, stakeholders’ demo, production rollout, and signoff.
* Keeping track of the process/progress using the **JIRA** ticketing system and reviewing tickets before moving them on the **Kanban** board for sprint achievements.
* Used **Agile methodology** in developing the application, which included iterative application development, customer reporting, backlog grooming and weekly Sprints.

**Environment**: Power BI, DAX, Power BI Gateway, Power BI Apps, MDX, MS SQL Server 2016/2014/2012/2008R2, MS Excel, JSON, Windows 8/10, JIIRA, SSRS, SSAS, PowerShell scripting, ETL, GIT, Kanban, Jira.

**Senior PowerBI developer April 2019 – January 2021**

**Client: Merck & Co., Inc, New Jersey.**

**Roles and Responsibilities:**

* Worked with Project team to outline Project requirements.
* Created profiles for the legacy database tables in order to give the client reports on data cleansing issues.
* Created **SQL queries** for data reconciliation in order to verify the entire data migration.
* Developed date to yearly columns, partitioned Tabular Models for Power BI, and generated DAX expressions.
* Used **DAX** in Power BI to create measures, compute columns, and carry out time series analysis.
* Effective use of Power BI's data blending, filters, actions, and hierarchies features.
* Developed trend analysis by analyzing the data using Power BI's statistical tools, and then posted the results on the **Power BI Services**.
* Produced **drill-down reports** and several chart formats **(SSRS**)
* Participated in the configuration of on-premises **Power BI gateway** to refresh datasets of **Power BI reports** and **dashboards**.
* Contributed to **SSRS** report layout specifications. developed intricate storage methods and performed report analysis for reporting services.
* Created and maintained multiple **ETL jobs** and fixed any related issues.
* Developed and maintained **SSIS Packages** to interact with various resources such as **MySQL**, **Oracle**, **SQL Server**, **Teradata**, and **Flat files**.
* Generated multiple essential reports on a daily and monthly basis.
* Several performance tweaks were carried out to enhance performance using **SQL** profiler and the execution plan.
* Involved in **PL/SQL** query optimization to reduce the overall run time of stored procedures.
* Worked on **Kanban** dashboards based on log stash data and integrated several source and target systems into Elastic search for near real-time log analysis of end-to-end transaction monitoring.
* Actively participate with Client Stakeholders to gather business requirements and document them for the project plan.

**Environment**: Power BI, DAX, MS SQL Server 2016/2014/2012/2008R2, SQL, Team Foundation, JIRA, MS Excel, CSS, SSRS, SSIS, ETL, PL/SQL, Kanban board.

**PowerBI Developer July 2017 – April 2019**

**Client: Zetagile, Hyderabad, India.**

**Roles and Responsibilities:**

* Created and published business **KPI dashboards** and scorecards using Performance Point Server and **Power BI.**
* The primary responsibility is to create **ad-hoc reports** in Power BI based on business requirements.
* Used to create reports with various visuals by connecting various data sources to Power BI, such as **Web Trends**, **Tabular Model** (MDX Query), and **SQL Database (SQL Query)**.
* Using **DAX queries**, created calculated columns and measures in Power BI and Excel based on requirements.
* In responsibility for developing and modifying Power BI report and **dashboard** visuals in response to client needs.
* In responsible for scheduling tasks for daily and weekly data refreshments for various **Power BI reports**.
* Depending on the needs of the business, a data model with numerous **fact tables** and **dimensions** was designed.
* Using **Report Model**, **Reporting Services**, and **Report Builder** for ad hoc reporting, dashboard reports were created.
* Using **SQL Server Integration Services (SSIS)** as an **ETL Tool**, the data has been Extracted, Transformed, and Loaded (ETL) from Excel and Flat file to MS SQL Server.
* Developed SSIS packages to move data to **SQL Server** 2012's staging area from flat files, Access databases, and excel documents.
* Developed reports by utilizing complicated **SQL queries** to join many tables from multiple databases.
* Updated mapping tables relating to assigned functional areas as directed by the Business Analysts.
* Experienced using Power **Pivot Tables** in Excel.
* Create PowerPivot models and reports, publish reports onto SharePoint, and deploy models into SQL Server **SSAS** instance. To demonstrate the database's functionality, create parameterized **SSRS reports** and PowerPivot worksheets using data from the Tabular and Cube data models.
* Participated in the requirement gathering and analysis phase of project in documenting and conducting meetings/workshops with various business users.

**Environment -** MS SQL Server 2012/2014, Management Studio (SSMS), ETL, Integration Services (SSIS) 2012, Power BI, Power BI (Pro), Power BI Service.

**Associate Software Engineer: May 2015 – July 2017**

**CGI, Hyderabad, India.**

**Roles And Responsibilities:**

* Involved in the implementation of BI Apps 11g for the Finance and HR module for the client. The scope of the project includes the configuration and delivery of HR and Finance modules customization according to client requirements.
* Strong experience in generating OBIEE reports using SQL Server and dashboards,
* Experience in requirement gathering from business users.
* Creating Physical, Business, and Presentation layers in the Repository.
* Created physical joins in the Physical and BMM Layer.
* Created Dimensions Hierarchies and Metrics for various business needs.
* Create reports like Table, Chart, Pivot, and Narrative views and publish them in dashboards using Answers & Dashboards.
* Documentation of various activities in the project.
* Interacted with users for effective issue resolution.
* Logical layer-create – Create logical tables/dimensions, columns, set levels to support drill–down, Aggregation/sum over columns, etc.
* Presentation layer – Create folders /sub-folders.
* Creating hierarchies, LBM, and using different functions at RPD to satisfy the business needs.
* Experience in migrating the code between the environments.
* Experience in unit testing of the code and doing a peer review.

**Environment**: OBIEE 11g/12c/OAS, ODI, GIT, Agile, JIRA, RPD.