**Rahul Patel**

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**Professional Summary:**

- Over 10 years of experience in business data analysis, including BRDs, GAP Analysis, and SWOT Analysis, with a focus on program planning, business requirements management, and budget execution.

- Proficient in Oracle SQL, with extensive experience in managing and optimizing SQL queries and data warehousing concepts.

- Skilled in database technologies including Teradata, AWS Redshift, and Snowflake, with hands-on experience in data warehousing, reporting, and analytics.

- Adept in utilizing BI tools such as Tableau, Power BI, and MicroStrategy to design and develop interactive dashboards and reports.

- Strong interpersonal skills with the ability to work well in cross-functional project teams and manage diverse viewpoints.

- Experienced in the Salesforce platform for analysing sales, customer, and marketing data, including creating and maintaining Salesforce reports, dashboards, and workflows.

- Proficient in AWS services such as EC2, Dynamo DB, S3, RDS, VPC, Route 53, Elastic Beanstalk, and IAM.

- Experienced in both Agile and Waterfall methodologies, with strong skills in Agile sprints, storyboards, and team collaboration.

- Implemented solutions using Azure Data Factory, Power BI, Azure Databricks, Azure Analysis Services, SQL Server Integration Services, and SQL Server Reporting Services.

- Experienced in optimizing SQL queries in relational databases, using tools like Excel, PowerPoint, Word, Teradata SQL Assistant, and Toad SQL.

- Strong skills in visual and business process modelling using tools like Tableau Visualizations, MS Visio for data mapping process flows, and DAX functions for Power BI.

 **Technical Skills:**

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| **Languages** | T-SQL, PL/SQL, SQL, C, C++, XML, HTTP, Mat lab, DAX, Python, R. |  |
| **Project Management Tools** | Agile and scrum concepts |  |
| **Atlassian Suite**  | Jira, Confluence |  |
| **Microsoft Suite** | Microsoft Applications (Word, Excel, PowerPoint, OneNote, SharePoint) |  |
| **Statistical Analysis** | R, Python, SAS E-miner, SAS Programming, Mat lab, Minitab |  |
| **Databases** | Snowflake, SQL Server, MS-Access, Oracle and Teradata, big data, Hadoop |  |
| **DWH / BI Tools** | Microsoft Power BI, Tableau, SSIS, SSRS, SSAS, Business Intelligence Development Studio (BIDS), Visual Studio, Crystal Reports, Informatica  |  |
| **Database Design Tools and Data Modelling** | MS Visio, ERWIN, Star Schema/Snowflake Schema modeling, Fact & Dimensions tables, physical & logical data modeling, Normalization, and De-normalization techniques, Kimball &Inman Methodologies, and Informatica |  |
| **Additional Skills** | Multi-tasking complex problems, Excellent written and verbal communication skills, positive attitude, documentation skills |  |

**Education Details:**

**Gudlavalleru Engineering College (JNTUK) |India 2009 - 2013**

Bachelor of Technology – Computer Science

**Project Experience:**

**Client: Wells Fargo, Santa Clara, CA Feb 2023 – till now**

**Role: Senior Business Data Analyst**

**Responsibilities:**

- Gathered requirements from business analysts and operational analysts, conducting detailed requirement gathering, Gap Analysis, and Impact Analysis to comprehensively understand business processes and IT system needs.

- Managed and optimized SQL queries in Oracle and other databases to ensure efficient data manipulation and reporting.

- Developed SQL queries for data manipulation tasks such as filtering, aggregating, joining, and transforming data, alongside developing Python scripts and utilizing PYSPARK for loading data into S3 and automating data workflows.

- Created interactive dashboards in Tableau Desktop with filters and visualizations to effectively present data insights, while performing Exploratory Data Analysis (EDA) and developing complex metrics using Spark SQL and Snowflake SQL for daily business reports.

- Implemented Agile and Scrum methodologies to ensure efficient project delivery and collaboration across teams, while leading client projects in Python, SQL, Tableau, and data modelling to meet timelines and deliverables.

- Created and executed UAT test plans, facilitating meetings and coordinating with stakeholders to ensure high-quality data and project deliverables.

- Developed data pipelines using Databricks, AWS Redshift, and Snowflake to automate data workflows and integrate data across multiple sources, while managing Amazon RedShift clusters and utilizing AWS services for efficient data storage and retrieval.

- Collaborated with data governance, data quality, data lineage, and data architect teams to maintain data quality standards, and create and execute SQL and Hive scripts for validating data integrity and ensuring high-quality data maintenance.

- Developed automation scripts and batch jobs using Python and PYSPARK to automate data extraction, transformation, loading, and updating processes, enhancing overall data processing efficiency.

**Environment:** SQL, Oracle, Python, AWS S3, Redshift, Hive, Tableau, Data Bricks, Teradata, JIRA, UNIX, Snowflake.

**Client: Broadridge, Newark, NJ May 2021 – Jan 2023**

**Role: Business Data Analyst**

**Responsibilities:**

- Served as a liaison between Technical, QA, and Business teams, facilitating requirements gathering, testing, and UAT

- Gathered and understand client requirements in the SDLC process, playing a key role in client-facing communication for Progressive Web Application (PWA) development.

- Identified process inefficiencies through gap analysis and proposed solutions using change management processes.

- Developed Python scripts for parsing files, loading data into databases, extracting weekly information, and cleaning raw data.

- Documented user stories, prioritized tasks, and created test scenarios for various modules.

- Created UI/UX mock-ups and flow diagrams using tools like MS Visio and Lucid Chart.

- Performed data mining and analysis from company databases to optimize product development, marketing techniques, and business strategies.

- Designed and developed data factory pipelines for moving data from Oracle databases to Azure Data Lake Store.

- Utilized Snowflake functions for semi-structured data parsing and developed Power BI dashboards and reports.

**Environment:** Teradata, UNIX Shell Scripts, Oracle, Snowflake, MS Azure, Data Bricks, Power BI, MS Excel, MS PowerPoint, Python, SQL, Hadoop Spark

**Client: State of WA, Kirkland, WA Aug 2019 – Apr 2021**

**Role: Business/Data Analyst**

**Responsibilities:**

**-** Developed Tableau dashboards with stack bars, bar graphs, and geographical maps.

- Utilized Amazon Redshift for data storage and retrieval.

- Implemented real-time event processing using Spark Streaming and Kafka for fraud defense.

- Coordinated and facilitated UAT, ensuring traceability of testing across all layers of software.

- Engaged stakeholders in gathering requirements and defining business processes.

- Migrated data from Teradata to PostgreSQL on AWS, optimizing SQL scripts.

- Developed data lineage artifacts and ILDM for source-to-target mapping.

- Used Python for database updates, file manipulation, and metadata import.

- Ensured data integrity in Tableau reports through rigorous testing.

- Applied dimensional modelling using Hive, Impala, and Pig for data analysis.

**Environment:** Teradata, UNIX Shell Scripts, MS Excel, MS PowerPoint, AWS, Tableau, Python.

**Client: Cisco, San Jose, CA Feb 2017 – July 2019**

**Role: Data Analyst**

**Responsibilities:**

**-** Utilized Python's Pandas, NumPy, SciPy, Scikit-learn, and NLTK for data science tasks.

- Conducted data preprocessing, cleaning, and feature engineering using Python.

- Analysed data in detail using SQL and Python to assess structure, content, and quality.

- Developed Tableau worksheets with drill-down and drill-up capabilities.

- Improved query performance using Teradata SQL scripts with OLAP functions.

- Created OLAP cubes, dimensions, business KPIs, and MDX queries using Analysis Services.

- Designed and developed logistics and manufacturing reports using Teradata SQL.

- Built storytelling dashboards in Tableau Desktop and published them on Tableau Server.

- Gathered requirements from Business Analysts and identified necessary data sources.

- Converted Excel data into Teradata tables using SAS Programs.

- Managed importing/exporting large datasets between files and Teradata.

- Conducted thorough data reviews using Excel and Python on numerous variables and rows.

- Enhanced universe capabilities and performance by creating Derived tables in BO Designer.

**Environment:**  Tableau, Teradata, BTEQ, VBA, Python, SAS, UNIX, SQL, Windows, Business Objects.

**Client: HGS Healthcare LLC, India Jun 2013 – Oct 2016**

**Role: Business Analyst**

**Responsibilities:**

- Collaborated with GUI team to design screens, develop prototypes, and conduct usability testing.

- Created URS (User Requirement Specifications) and FRS (Functional Requirement Specifications) documents.

- Followed RUP (Rational Unified Process) QA and testing processes, ensuring alignment with program management goals.

- Prepared SRS (Software Requirement Specifications), FSD (Functional Specification Document), and Process Workflows.

- Acted as a liaison between the Information Systems and Business User groups.

- Conducted business, functional, and technical walkthrough meetings to define system requirements.

- Developed test plans and performed testing of customer fields and message behavior functionality.

- Identified Use Cases and created Use cases, Activity, Sequence, Collaboration diagrams, and Wireframes using MS Visio.

**Environment:** Requisite Pro, UML, RUP, MS Project, MS Access, Visual Basic, BEA WebLogic