

**Kumar Raj**  
**Role:** PowerBi /Snowflake  
**Company:** Tata Consultancy services Ltd.  
**Designation:** System Engineer

---

**E-mail:** rajresonance1@gmail.com  
**Mobile:** 8292111657

## PROFILE

---

Highly-skilled and motivated software engineer with 5 years of experience. Skilled in creating visualization using Power BI and advanced DAX. Currently working as a data engineer on Snowflake Technology with flavors of AWS S3 and Matillion.

## QUALIFICATION

---

- Masters of Technology in VLSI Design, Gitam University, India.

## PROFESSIONAL SUMMARY

---

- Experience in Business Intelligence/Data Warehouse involving 5 implementation projects using Snowflake and PowerBi.
- Experience on migrating queries from red-shift to snowflake compatible queries
- Deploy fully operational data warehouse solutions into production on Snowflake that uses new objects like Stream, Task, Snowpipe etc.
- Experience in all phases of life cycle including Analysis, Design, Development, Testing, Deployment, Post Go Live Support, Documentation, and User Training.
- Experience in all phases of life cycle including Analysis, Design, Development, Testing, Deployment, Post Go Live Support, Documentation, and User Training.
- Effective communication and presentation skills, Quick adaptability and systematic approach towards work.
- Certified in Snowflake Technology with ability to create virtual data warehouses.
- Participated in all phases of life cycle including Analysis, Design, Development, Testing, Deployment, Post Go Live Support, Documentation, and User Training.
- Ability to work independently with minimum supervision. Effective communication and presentation skills, Quick adaptability and systematic approach towards work.
- Analyzed the business requirements and translated into dimensional data models by using extended star schema techniques.

## APPIAN SKILL SET: Experience: 1 years

- Application Design and development using Appian and open source technologies.
- Sound knowledge and experience in developing interfaces, reports, process models and dashboards.
- Good experience with developing Business Orchestration base interacting with WEB services using Appian.
- Expertise in Appian BPM Framework, integrations using SOAP And REST.

- Expertise with SAIL Interface and expression rules to create UI, reports.
- Expertise in RDBMS and SQL.
- Experience with agile methodologies like SCRUM.
- Robust and precise knowledge of architectural principles, frameworks, best practices of enterprise data solution.
- Strong understanding on SQL including stored procedure and view implementations.
- Good understanding on REST/Web API integrations including microservices.
- Theoretical and hands on experience with the implementations of Gateways.
- Performed periodic maintenance of historical data in process archiving using data maintenance.

### **Power BI Skills: Experience :2 years**

- Developing visual reports, dashboards and KPI scorecards
- Excellent in analytical thinking for translating data into informative visuals and reports
- Proficient in making DAX queries in Power BI Desktop
- Excellent communication skills to translate technical content to non-technical people.
- Possess a swift ability to understand business model that can not only tailor to achieve maximum KPI but also take strategic decisions to help organizations succeed on a continual basis.

### **Snowflake Skills: Experience:2+ years**

- Responsible for architecting data intelligence solutions around snowflake data warehouse.
- Build, create and configure enterprise level snowflake environment.
- Hands-on experience with snowflake utilities, SnowSQL , Snowpipe. Etc.
- Extensive understanding of source to target data mapping and Business rules associated with the ETL process
- Performed business analysis to define requirements, then quickly built a proof of concept( POC) system based on the solution I designed and built. Demonstrated a 10X improvement in processing time.

## TECHNICAL SKILLS

---

APPLICATION DEVELOPMENT	21.3
<b>Reporting</b>	Power BI.
<b>Programming Languages</b>	JAVA,SQL
<b>Documentation</b>	MS-Office
<b>RDBMS/DBMS</b>	Oracle/ MS-Access
<b>ETL</b>	Snowflake

## PROFESSIONAL EXPERIENCE

---

<i>Client</i>	<i>Designation</i>	<i>Duration</i>
<i>EDF</i>	<i>Data Engineer</i>	<i>Mar 2020 – Till Date</i>

EDF Energy is a British integrated energy company with operations spanning electricity generation and the sale of natural gas and electricity to homes and businesses throughout the United Kingdom. It employs 13,331 people, and handles 5.7 million customer accounts.

### Responsibilities:

- Responsible for architecting data intelligence solutions around snowflake data warehouse.
- Build, create and configure enterprise level snowflake environment.
- Designed and developed simple/Complex Matillion workflows, sessions and mappings for extracting data from source and used complex validations.
- Written complex stored procedure to cater all business validations for to load data from source to oracle staging.
- Hands-on experience with snowflake utilities, SnowSQL , Snowpipe. Etc.

- Performed business analysis to define requirements, then quickly built a proof of concept( POC) system based on the solution I designed and built. Demonstrated a 10X improvement in processing time.
- Create DDL scripts for the DB objects used in ETL and calculation engine.
- Plan Production deployment, Initial load for 833 tables, perform stage stitching process and validate the same using BITS tool.
- Written documentation to describe program development, logic, coding, testing, changes and corrections on Confluence.
- Designed the Complete Solution using python programming to migrate data sets parallelly from red-shift external tables and directly consume the data to snowflake stage table using bulk copy command.
- Assisted Python development team to create lambda for automatic creation of snowpipe for auto ingestion process to Prestage tables
- Created different Snowflake warehouses for different purposes – for loading small, loading large and consuming the loaded data.
- Handle data issues during migration like Unicode issue as Snowflake internally stores data in UTF-8.
- Created Snowflake tables to continuous load using Snowpipe SNS service that automatically loads data as soon as file available in AWS S3.
- Clone the migrated database by utilizing zero copy feature of snowflake to test the data

<i>Client</i>	<i>Designation</i>	<i>Duration</i>
<i>COOP</i>	<i>Senior Developer</i>	<i>Mar 2019 – Feb 2020</i>

**Environment:** Appian, My SQL

The Co-operative Group, trading as the Co-op, is a British consumer co-operative with a diverse family of retail businesses including food retail and wholesale; e-pharmacy; insurance services; legal services and funeral care. The Co-operative Group has over 63,000 employees across the UK. The group has its headquarters in One Angel Square. In 2013, the Group raised £142M through a sale and leaseback of the building to institutional investors in a 25-year lease to 2038. The Group also manages the Co-operative Federal Trading Services, formerly the Co-operative Retail Trading Group (CRTG), which sources and promotes goods for food stores of the co-operative movements of the UK.[6] It introduced the Co-operative brand in 2007, which is used by many consumers' co-operatives in the UK and managed by the group.

**Responsibilities:**

- Preparation of Vulnerability and asset management involving Appian designer
- Achieved over 100% on time delivery for over 5 + bid engagements
- Various SIEM functionalities Severity, Alerts and license usage on daily basis to understand the risk involved.
- Implemented procedures for gathering of requirements from clients for solution demonstrations.
- Assisted in designing, architecture and modifications to support efficiency.
- Developed scalable solutions for critical modules in coordination with technical mentor teams.
- Provided technical assistance for integration of BPM systems along with external systems such as SQL.
- Conducted detailed analysis to support designing and development of BPM applications.
- Executed processes for conversion and technical documentation of business needs into system requirements.
- Supported technical team members in testing changes for user interfaces and application functionality.
- Participated in development of analytical and computational methods for problem solutions.

<i>Client</i>	<i>Designation</i>	<i>Duration</i>
<b>SBIC</b>	DEVELOPER	Mar 2017 – Feb 2019

## Professional Summary

---

**SBI Card**

**Kolkata**

**Mar 2017-O 2019**

**Role: Developer**

**Environment:** Power BI, My SQL, ServiceNow

SBI Cards & Payment Services Ltd., previously known as SBI Cards, is a payment solutions provider in India. SBI Card was launched in October 1998 by the State Bank of India, India's largest bank, and GE Capital. In December 2017, State Bank of India and The Carlyle Group. acquired GE Capital's stake in the Company. SBI Card is headquartered in Gurgaon, Haryana/Delhi NCR and have branches in over 100 cities across India.

**Responsibilities:**

- Discussing with business about their existing business process and understanding of the business process requirement.
- Carry out the feasibility of business requirement and to sort out alternate/better options if not feasible.
- Contributed to a 15% increase in sales for 2 years in a row through proactive software initiatives.
- Named Prophead of the Year in 2018 for outstanding app development contribution.
  
- Connecting to data sources, importing data and transforming data for Business Intelligence.
- Adept in developing, publishing and scheduling Power BI reports as per the business requirements.
- Maintained technical documentation such as requirements, design reviews and test reports.
- Implemented procedures for designing and development of all software applications in coordination with engineering teams.
- Conducted detailed review and analysis of program specifications and designing as per work process changes.
- Executed processes for analysis, designing and development of scalable solutions to meet customer requirements.
- Assisted ineffective implementation of Appian solutions along with subject matter expertise.
- Prepared detailed and accurate technical documentation relating to Appian designs and reports.