Name: Vaishali Singh

Email: vaishali.singh0711@gmail.com

Contact #: 6692482551

# **PROFESSIONAL SUMMARY**

Skilled data analyst with more than 10 years of experience in collecting, organizing, interpreting and disseminating various types of statistical figures. Creative in finding solutions to problems in a way that is clear, efficient and beneficial for end users.

* Extensive experience with analysis, design, development, customizations, and implementation of reports and visualization
* Extract, transform, and load data utilizing Microsoft SSIS ETL
* Expertise in creating SSIS packages and use sequence containers for developing processes and load data using different transformations such as derived columns, condition split, aggregate, merge join and union all
* Strong understanding of data warehouse concepts, star schema, FACT, dimensions tables, SCD, conceptual, logical, and physical data modelling
* Expertise in designing and deploying rich graphic visualizations using Dual axis

Chart, Dashboard Action, Drill Down, Quick Filters in Tableau

* Extensive knowledge in various reporting objects like dimension, measures, hierarchies, transformations, filters, calculated fields, sets, groups, parameters
* Experience in leading and managing teams. Handled multiple roles -Web developer, Team Leader, Data Management, Data Analyst
* Extensively worked in tableau advanced calculations, LOD expressions and maps
* Executed software projects for Wealth Management, Banking and Finance, Insurance
* Proficient in analyzing and translating business requirements to technical requirements
* Expertise in writing Complex SQL Queries involving multiple joins for data setup Create materialized views, derived table, CTE, stored procedures, Indexes for enhancing query performance
* Experience working with version Control, Build & Release Management and Deployments of the data solutions to the DEV, QA & PROD Environments leveraging Azure DevOps and toolsets of Visual Studio
* Experience in working with different types of sources like XML files, DB tables, flat files, and destinations like DB tables
* Expertise in data Setup, data analysis, data conditioning and data seeding for various. teams. using Oracle, DB2 database

## **TECHNICAL SKILLS**

|  |  |
| --- | --- |
| **Languages** | SQL, T-SQL, HTML, XML, PL/SQL, Adobe Flash, JavaScriptC, C++, Java,  |
| **RDBMS** | Oracle, MS SQL Server 2019, IBM DB2, Microsoft SQL Server Datawarehouse |
| **Tools** | SQL Server management studio, Oracle Toad, SSIS ETL, Tableau, MS Excel, Visual Studio, Confluence, Erwin Data Modelling |
| **Cloud Technologies** | Microsoft Azure (PaaS , SaaS) |
| **Testing Tools** | HP ALM, QTest |
| **IDEs** | SQL Server Management Studio, Visual Studio, Eclipse, Adobe Flex |
| **Operating Systems** | Windows NT/2000 Server, UNIX |
| **Software** | Visual Studio, Microsoft Office, JIRA |
| **Training**  | Tableau A-Z Hands on training, Six Sigma Green, Data Science CourseErwin Data Modelling, IBM Insurance Insights and Solutions (Bronze) |
| **Certifications** | Oracle Certified Associate (Level1), Six Sigma Green Belt |

## **EDUCATION**

* Bachelors in Computer Science & Engineering- 2012, UP Technical University (UPTU), India

**PROFESSIONAL EXPERIENCE**

**Client: SJP**

**Role: Data Analyst**

**Project: BlueDoor**

 **May 2022 – April 2023**

**Responsibilities:**

* Assisting in root cause analysis, investigating any data errors or anomalies and implement solutions to correct data problems in production database
* Running data queries to identify coding issues and data exceptions
* Prepare and consolidate data for established, periodic review and maintain data quality dashboards
* Identify and propose resolution of recurring Data Quality problems
* Proactively works to identify process improvements to track and improve data quality
* Understanding business rules descriptions, defining detailed business rules descriptions by asking business partners the right questions and building rules in Data Quality Project
* Automation of regular data fixes in .net SQL database objects.
* Update Data Warehouse report script in . net code to rectify the report issues
* Develop script to monitor and email the new impacted data to the data profiling team
* Building and maintaining SQL scripts and complex queries for data analysis and extraction.
* Performing statistical tests on large datasets to determine data quality and integrity.
* Propose a BI initiative for the customer business need
* Understand mapping between OLTP and OLAP database
* Asses and validate the impact of data fixes on the Datawarehouse report
* Identifying the DWH reports which are sending wrong output to SJP and are not aligned as per business rule
* Propose various options to fix SQL reports in .net code and implemented the fix in production in an Agile Environment utilizing a test drive development approach
* Deployments of the data solutions to the DEV, QA & PROD Environments leveraging Azure DevOps and toolsets of Visual Studio

**Environment: Microsoft SQL Server, T-SQL, Stored Procedures, Excel, XML, XSD, Agile Methodology, Datawarehouse, ETL, Microsoft Azure DevOps, Visual Studio, Confluence**

**Client: MetLife**

**Project 3: Disability Evolution FINEOS Feb 2022 – April 2022**

**Role**: **Business Data Analyst**

**Company: IBM**

**Location: Maharashtra, India**

**Responsibilities:**

* Provide data reporting to the business and stakeholders using SQL query to enable the team to gain insight into various parts of the business.
* Investigated data discrepancies and resolved them and articulated them to support the team’s ability to do effective data analysis
* Analyze data to perform root cause analysis of technical issues with our platform
* Use analytics tool such as tableau to support claims and underwriting teams in finding leads
* Participated in early stage of data collection by analyzing both structured data to help define product priorities

**Environment: Microsoft SQL Server 2019, JIRA, QTest, Excel, Agile Methodology**

**Client: MetLife Oct 2021 – Jan 2022**

**Role**:  **Business Data Analyst**

**Project 2: Disability Evolution FINEOS**

**Company: IBM**

**Location: Cary, NC**

## **Responsibilities:**

* Responsible for requirements gathering, coordination, communication, collaboration with various team members & stake holders for smooth execution of projects Performing analysis of health care data including medical claims, underwriting and membership files that measure the effectiveness of the organization's services
* Working extensively with claims processing team to perform cohort analysis that identified an opportunity to minimize losses from claims to boost yearly revenue by $730K
* Build Dashboards like Monthly Claims Generation Report, Monthly Policy Activation Status, Demographic Analysis, Annual Premium Vs Profit Analysis for claims and underwriting team
* Responsible for analysis, design, development, and implementation of data solutions for new implementations and upgrades for our customers.
* Analyze ongoing issues and translating business requirements to technical requirements and architecture.
* Translate customer requirements into formal requirements and design documents, establish specific solutions, and leading the efforts

**Environment: Microsoft SQL Server 2019, JIRA, QTest, Excel, Agile Methodology, Selenium, Eclipse, Bit Bucket**

**Client: MetLife April 2018 - September2021**

**Role**:  **Business Data Analyst**

**Project 1: Small Market Digital (SMD)**

**Company: IBM**

**Location:** **Maharashtra, India**

## **Responsibilities:**

* Design, build visualization and dashboards for data analysis and reporting applications
* Create clustered and non-clustered indexes for improved query performance
* Responsible for analyzing and producing, verifying, and interpreting client reports with very little oversight
* Master the ability to design and deploy rich graphic visualizations using Dual axis, Chart, Dashboard Action, Drill Down, Quick Filters
* Strong understanding of data warehouse concepts, star schema, FACT, dimensions tables, SCD, conceptual, logical, and physical data modelling
* Follow best practices for dashboard design and worked on performance improvement of the visualization and reports
* Strong problem-solving skills with the ability to determine business partner needs and create purpose-built solution
* Data preparation, data masking, validation, enrolment, and remit file preparation to support QA and UAT env testing
* Creation of non-production data sets using SMD UAT Portal, Majesco PAS and Group Billing
* Identify and reconcile errors in client data to ensure accurate business requirements
* Manage project through status meetings, weekly reports, identifying risks and tracking issues
* Gather and identify data requirements from UAT product owners
* Validation of data transformations and perform end to end sanity validation TPA Remittance
* Perform in depth analysis of complex applications to determine test data needs
* Test Bed creation -which involves setting up the test data
* Responsible for generating positive path data, negative path data, Null Data, Erroneous Data etc.
* Engage project infra team for various environment batch setup to ensure that group policy gets activated in a timely manner

**Environment: MS SQL Server 2014, HP QC, Excel, Microsoft Azure PaaS, JIRA, Qtest**

**Client: Bank of America**

**Project: Client and Data**

**Company: TCS**

**Location: Maharashtra, India Aug 2015 – Mar 2018**

**Role: Team Leader -Data Management**

## **Responsibilities:**

* Responsible for Leading Data Management Team of size 11 under BFSI domain
* Strong understanding of Database, Star Schema, FACT and Dimensions tables, conceptual, logical and physical data modeling
* Create test data subsets for cleansing team to test and part of team to create data cleansing rules.
* Built dashboards for measures with forecast, trend line and reference lines
* Ability to work both independently and as a Team member. It involves maintaining Oracle, DB2 database
* Taking care of Data Setup, data Analysis Data conditioning and Data seeding for various teams.
* Excellent understanding of database structures, principles, theories and practices.
* Create monthly reports designed in Excel spreadsheet along with pivot tables for each release
* Providing training on the bank applications to other teams
* Acting as a mentor to train team in different activities like status reporting, learning new processes & models and reviewing day long activities

**Environment: Oracle 11g, Toad, SharePoint, SQL, Mainframe, Excel, SSIS, Splunk, IBM DB2**

**Client: GE Corporate**

**Project: Support Central COE**

**Company: TCS**

**Location: Maharashtra, India Mar 2013 – Jul 2015**

**Role: Solution Developer**

## **Responsibilities:**

* Design and develop business solutions using Workflows, Data forms, Surveys, Libraries and Adhoc reports.
* Responsible for managing scope, planning, tracking, change control, aspects of the project.
* Dynamic websites development using leading technologies like jQuery, Ajax, HTML5, CSS3 and Bootstrap
* Revamped web applications which increased the performance and usability of the tool
* Mentor team members about flex and Support Central Tool (GE In-house tool)
* SPOC for the IPMS (Integrated Project Management System).
* Deliver new and complex high-quality solutions to clients in response to varying business requirements
* Analysis of client’s business requirement and preparation of HLD and LDD
* Preparing project plan and task assignment to team members
* Organizing weekly team meetings for sharing knowledge and doing team level activities
* Diligent status reporting to TCS and customer side managers

**Environment: Adobe Flash, Oracle 11g, Flex, SQL, CSS, Bootstrap, HTML, jQuery, JavaScript**