**RESUME OF ISHAN SHRIVASTAVA**

 **+1(786) 753-8826**

**OBJECTIVE**

Over 6+ years of experience in Business Intelligence applications, Data engineering , Data Warehousing applications, Data Visualization, Data Analysis in healthcare, and consumer product domain. Strong understanding of Software Development life cycle (SDLC) phases such as requirement analysis, design, development, testing and deployment of business intelligence and database platforms.

**PROFESSIONAL WORK EXPERIENCE**

**HEALTH SYSTEM ONE, INC., Fort Lauderdale, FL**

**Sr. Data Engineer/ Tableau Developer July 2018 – Present**

*As a senior data engineer was responsible to ensure data is collected across multiple applications and collected to ensure that all data is available for any analysis. Involved in modeling the data so that it can be used to prepare the reports for the developer.* *Worked on various projects to migrate data from on premise databases to Redshift*

* Led the migration from in house database to **Redshift** using **Amazon S3** resulting in an annual cost savings of $414,000 and an increase in performance of 18%.
* Designed and implemented a real-time data pipeline to process semi-structured data by integrating 180 million raw records from 20+ data sources using **Kafka** and **Python** and hence stored processed data in **Redshift**.
* Prepared claims data for risk adjustment by extracting, cleaning, and merging from different sources using **SSIS** and **SSRS**.
* SQL queries to validate the **ETL** processes, check for any data discrepancies and resolving any data discrepancies, if exists.
* Worked on performance improvement by tuning **SQL** queries in **SQL server**.
* Proficient in design and development of various dashboards, reports utilizing **Tableau** **Visualizations** like **Dual Axis, Bar Graphs, Scatter Plots, Pie-Charts, Bubble Charts, Tree Maps, Box Plots, Waterfall Charts, Geographic Visualization** and other making use of actions, other local and global filters according to the end user.
* Designed the data pipeline architecture for a new product that quickly scale from 0 to 54,000 daily active users.
* Utilized **Alteryx** to integrate data from multiple databases into a DW data model.
* Expert in creating Calculations (**Creating/using Parameters, Table Calculations, Totals**) and Formatting (**Annotations, Layout Containers, Mark Labels, Mar Card Changes, Rich Text Formatting, Shared Encoding**) using **Tableau Desktop**.
* Expertise in using **Alteryx** and **Talend** data blending and data integration tools respectively.
* Outstanding experience in creating **different visualizations** using **Bars, Area, Lines and Pies, Maps, Scatter plots, Gantt charts, Donut chart, Histograms, Bullets, Heat maps and Pareto Chart, Plots, highlight tables**, and other making use of **Calculated fields,** **Actions, Parameters, Sets, Quick, Context** according to the end user requirement.
* Created workflows to fetch data from different sources to Tableau Desktop using Alteryx and schedule jobs.
* Proficient in Building compelling, **interactive dashboards** in Tableau that answer key business questions.
* Have knowledge on partition of **Kafka** messages and setting up the replication factors in **Kafka** **Cluster**.
* Good experience on **LOD expressions** Comparative Claims Analysis, Customer Acquisitions, etc.
* Monitor data trends, perform **statistical analyses,** and prepare reports to facilitate Centers for Medicare and Medicaid Services (CMS) contract requirements.
* Experience with creation of users, groups, projects, workbooks and the appropriate permission sets for Tableau server logons and security checks.

**FINANCIAL RECOVERY GROUP, INC., Miami, FL**

**Data Engineer/ Tableau Developer Jun 2017 – Jun 2018**

 *As a data engineer was responsible to ensure data is collected across multiple applications and ensure that all data is available as per the business model for any analysis. The analysis is done using SQL and Tableau, so that data can be visualized precisely.*

* Identify database warehouse requirements and analyze internal department, applications, programming, and operations.
* Automated **ETL** process across billions of rows of data that reduced the manual workload by 33% monthly.
* Develop and modify stored procedures and **SQL scripts**.
* Development of **SAP Hana** calculations views and stored procedures.
* Troubleshooting of reports using HANA Studio, Query Designer and Business Warehouse.
* Create views/reports in **Tableau** **Desktop** that were published to internal team for review and further data analysis and customization using filters and actions.
* Extensive experience in Tableau data visualization tool to analyze and obtain insights into large datasets, create visually compelling and actionable interactive reports and dashboards.
* Develop and initiate more efficient data collection procedures using **python**.
* Maintained data pipeline up-time of 99.9% while ingesting streaming and transactional data across 7 different primary sources using **Redshift** ,**S3** and p**ython**.
* Migrate databases from **MySQL** to **Microsoft SQL server.**
* Created internal python library used to parse and reformat data from external vendors reducing the error rate in the data pipeline by 9%.
* Created Customized and interactive dashboards (pulling data from multiple data sources).
* Design and develop various analytical reports from multiple data sources by blending data on a single worksheet in **Tableau Desktop**.
* Expert in creating Calculations (**Creating/using Parameters, Table Calculations, Totals**) and Formatting (**Annotations, Layout Containers, Mark Labels, Mar Card Changes, Rich Text Formatting, Shared Encoding**) using Tableau Desktop.

**Google Inc., Mountain View, CA**

**Intern Data Analyst May 2016 – Apr 2017**

*As an intern I* *was responsible for multiple tasks related to reporting. As an intern I ,enabled and automated data pipelines for moving over 20 gigabytes of data from multiple source tables to Hadoop and Google Big Query using GitHub for source control.*

* Maintained large databases and used various professional statistical techniques to collect, analyze, and interpret data from customers and partners.
* Identified and reported any data issues, conducted detailed weekly reports, and pro-actively participated in team meetings and managers.
* Ingested data from disparate date sources using combination of **SQL**, **Google Analytics** using **python** to create data views to be used for analysis.
* Assist in utilizing data to create business cases to develop product sale (20%).
* Create and enhance outputs that improve communication within cross-functional teams.
* Performed analysis on big data from social media and web activity logs.
* Created report and performed analytics using in-house tool (google analytics).

**Yash Technologies Pvt.Ltd, Indore, MP**

**Data Analyst June 2013 – July 2015**

*As a data analyst my responsibilities were to make the data ready for analysis and creating reports and dashboards using Tableau and write SQL queries to filter the data before analysis.*

* Work with testers to establish test data and expected results and regressions.
* Testing of the reports developed to ensure they support the business new workflows.
* Creates and executes performance tests to ensure that expected application performance levels are achieved.
* Worked on Context Filters and Cascading Filters page and implemented various parameters, filters, calculate d table calculations, aggregations, specific conditions, & created analytical reports.
* Used Tableau for data visualization analyze and obtain insights into large datasets, create visually compelling and actionable interactive reports and dashboards.
* Additional areas of focus include building operations, project management, lease & portfolio, space & occupancy, compliance and management, performance metrics.
* Support the Business Change Lead designing and agreeing future workflows, specifically the business reports but also challenging and minimize the use of reports to drive workflows.
* Provided support for Java development team by developing a solution to dynamically generate SQL based on user search criteria. This gave the users an intuitive interface into the data without having to understand database mechanics.
* Identified flaws in ETL SQL based on the vendor's implementation of the UPDATE statement. Correction of the flaws reduced ETL time from an untenable seven-day period down to a tolerable fourteen hours.

 **INFORMATION TECHNOLOGY SKILLS**

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| **Tableau Public Profile** | <https://public.tableau.com/profile/ishan8112#!/> |
| **BI Tools**  | Tableau (Desktop/Server/Reader/Public) 2019.X/10.x/9.x/, 2020.X |
| **ETL Tools**  | Alteryx, Informatica, SAP HANA  |
| **Requirements Management**  | Requisite Pro, Microsoft Office (Word, PowerPoint, Excel)  |
| **RDBMS**  | T-SQL, MySQL, PLSQL, Postgres SQL, MS SQL, MariaDB, SQL Server 2000, JDBC MS Access |
| **Data modeling**  | MS Visio, SSIS |
| **Programming Languages**  | T-SQL, PL/SQL, HTML, .NET, Java, Python, Linux, Unix, HTML5, CSS3, PHP, XML, JavaScript, Bootstrap. |
| **Tools/Methodologies** | PgAdmin, SQL workbench, NetBeans, Eclipse, Mingle, Waterfall, Navicat, Agile, GitHub and Scrum, SDLC, JUnit, Tableau, SSIS, SSRS, ETL, Crystal Reports, MS Access, MS Excel, MS Office |

**EDUCATION**

FLORIDA INTERNATIONAL UNIVERSITY, Miami, FL **Aug 2015 – Apr 2017**

Master of Science in Computer Science

GPA: 3.43/4.00

RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, Bhopal, India **Sep 2010 – May 2014**

Bachelor of Engineering in Electronics & Communication

GPA: 7.10/10.00