**JAYARAM SRIPERAMPADUR PRABHU**

**PROFESSIONAL SUMMARY:**

* **Having 10 years of IT experience in Data Modelling**, **Data analysis, Visualisation & reporting.**
* In-depth experience in Database Design, Development, Implementation and Administration in SQL Server 2016/2012/2008R2/2008 and providing **ETL/Business Intelligence solutions** using Microsoft components.
* Experience in Implementation of **Microsoft Business Intelligence (BI)** **platforms, SQL Server Analysis Services (SSAS), SQL Server Integration Services (SSIS), and SQL Server Reporting Services (SSRS)** in **SQL Server.**
* Worked extensively in **Python development** including **pandas** by decoding **SAS scripts** and migrating it to Python programming for several reports
* Converted **Teradata SQL** scripts to **Snowflake SQL** scripts
* Experience in optimizing code and improving efficiency in databases including re-indexing, updating statistics, recompiling **stored procedures**.
* Experience creating **Power BI reports** and **Dashboards** using **Power BI Desktop** & Web Interface.
* Developed and implemented BI solutions utilizing **Tableau and SQL**
* Used **Tableau with R** for forecasting analysis of potential customers and finding the right written premium for them to increase the profit for the company.
* Hands on experience with the use of **filters, advanced navigation techniques, level of detail** expressions
* Developed **models, reports** and **dashboards** using **Tableau and R programming**
* Experience Creating **Calculated Columns** and **Measures** in **Power BI** and Excel using **DAX queries.**
* Expertise in Objects creation such as **Tables** and **Views**, **Table Normalization, User created Data Types, user functions, views, user profiles, data dictionaries, data integrity, Performance tuning, Indexes** and appropriate **Triggers** to facilitate efficient data manipulation and data consistency.
* Supported team in resolving SQL Reporting services and T-SQL related issues and Proficiency in creating different types of reports such as Cross-Tab, Conditional, **Drill-down**, Top N, Summary, Form, **OLAP and Sub reports**, and formatting them.
* Experience with SQL Server and T-SQL in constructing triggers, tables, user functions, views, indexes, user profiles, **relational database models, data management,** data dictionaries and **data integrity**.
* Experience with production, development, and test databases including access controlling, **performance monitoring and tuning, capacity planning.**
* Extensive experience in **ETL design/development using SSIS including data extraction and transformation between multiple data sources (Oracle, MS Access, and MS Excel).**
* Experience in Creating and Deployment and Administration of **SSIS and SSRS** packages.
* Experienced in report generation using **XML, Tableau, SQL Server Reporting Services (SSRS) and Excel spreadsheet.**
* Customized interactive **KPI reports** and dashboards built using SQL, Excel, Power BI, statistical modelling to identify gaps in supply chain processes resulting in an improve
* Experience of **Bulk Insert, BCP** utilities and scripts for data transforming and loading.
* Developed **Oracle E-Business Suite 11i and R12** programs for databases supporting **supply chain management**, **order management**, inventory, warehouse management system, purchasing.
* Worked with **P2P**(Procure to pay) business flow including modules **PO**(purchase order), **AP**(accounts payable), **OTC** (Order to cash), AR (Accounts Receivable). Experience in **Normalization and De-Normalization** techniques for both **OLTP and OLAP** systems.

**EDUCATIONAL QUALIFICATION:**

* **Master of Science in Information Technology and Management** from The University of Texas at Dallas, Richardson, TX, Aug 2013- May 2015
* **Bachelor of Technology in Information Technology** from Anna University, Chennai, India, May 2010

**CERTIFICATION:**

* **SAS Institute/UT Dallas Graduate Certificate in Data Mining and Business Intelligence.**

**COURSEWORK:**

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| --- | --- | --- |
| **Enterprise Resource Planning** | **Business Intelligence** | **Quantitative Risk & Analysis** |
| **Business Data Warehousing** | **Operations Management** | **Spreadsheet Modelling** |
| **Advance Business Intelligence** | **Accounting for Managers** | **Supply Chain Software** |

**PROFESSIONAL SKILLS:**

|  |  |
| --- | --- |
| **ERP Skills** | Oracle Applications R12 (Supply Chain and Finance), SAP R/3, SAP Modules |
| **Predictive/Analytical Tools** | Power BI, Tableau, QlikView, R, SSRS, SAS 9.3, SAS Enterprise Miner, SAP BW, BEx Analyzer, BEx Query Designer |
| **Programming Languages** | SQL, TSQL, PL/SQL, SAS, Python, VB, Java, Unix/Shell Scripting |
| **Databases** | Oracle, Microsoft SQL Server, DB2, Microsoft Access |
| **ETL Tools** | Pentaho, SSIS |
| **Applications** | MS Office |

**PROFESSIONAL EXPERIENCE:**

**Client: Hudson Insurance May 2023 – Present**

**Data Analyst**

**Responsibilities:**

* Collect, process, and synthesize crop (property and claim insurance), commodities , calamities data through large & complex data sets that meet analytics and business requirements and build insights and intuitive visualizations and statistical analyses.
* Create and maintain insightful automated dashboards and data visualizations to track key business metrics.
* Maintained a data warehouse by incorporating data from several sources from government websites.
* Complete complex data analyses based on requirements.
* Work closely with key stakeholders and other project team members to understand and prioritize functional requirements and information needs.
* Participate in the development of functional requirements and design specifications as appropriate.

**Client: Capital One Oct 2021 – Dec 2022**

**Data Analyst**

**Responsibilities:**

* Work with executives and other business leaders to identify opportunities for improvement.
* Work with a team of analysts and other associates to validate lineage and transformations from Source to target.
* Used Qlikview with SQL to create reports for internal teams or external clients and use appropriate tools to identify Data Insights by applying mathematical models and statistical techniques and derive insights that are of value to Business.
* Collaborate with team members to collect and analyse data from several different sources using Python programming.
* Developed SAS macro programs for creating daily monitoring reports.
* Worked extensively in Python development by decoding SAS scripts and migrating it to Python programming for several reports.
* Worked in Data migration from Postgres to Snowflake and wrote many validation queries in SQL and python for the same.
* Develop artifacts such as source to target data mappings, data quality and data transformation rules.
* Establish KPIs to measure the effectiveness of business decisions and translate Business Requirements into feasible technical solutions and provide clear acceptance criteria so that it helps him to write code effectively.
* Structure large datasets to find usable information to drive business decisions.
* Experience in working with EC2, EMR, Lambda functions and cloud computing, S3 bucket in AWS.
* Adopt Business cases into Live solutions by partnering closely with cross functioning groups and equip them with solutions.
* Worked with Risk management and accounting team to create Data Governance glossary and Data Governance framework.
* Create presentations and write and review reports based on recommendations and findings and present status to senior management and other stakeholders.

**Client: Capital One Jan 2021 – Sep 2021**

**Data Analyst**

**Responsibilities:**

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**Copart Inc, Dallas, TX Nov 2019 – Nov 2020**

**Database Developer**

**Responsibilities:**

* Worked on setting up a Caller ID Service to analyze and capture behaviors from historical calls of several entities like Member, Lien Holders of a bank, Primary Owners of a car, US Adjusters wherein we used Power BI to get insights from all the caller data and created a precise prediction of caller behavior by analyzing past history.
* Wrote effective DAX formulas and expressions and utilized Power Query in Power BI to pivot and unpivot the data model for data cleansing and data massaging.
* Analyzed and brought in Mapanet dataset and built Geoservices data model into our company’s datastore which was consumed by every single application.
* Created source to target data mapping document of input and output attributes with proper transformation steps.
* Developed ETL jobs using Pentaho tool for several data migration activities and for handling purge jobs.
* Implemented Data governance with Excel and Collibra.
* Created workflow to manage Inventory management using Microsoft flow
* Developed Advanced SQL queries and stored procedures to generate reports and analysis.
* Prepared scripts to ensure proper data gathering, manipulation and reporting functions with R programming languages.
* Performed SQL query performance tuning by creating/modifying indexes, used CTE and inline functions to replace subquery involved functions thus successfully reducing query execution time.
* Created a new internal web application tool using Python – Flask framework for Business Analysts to handle role assignments to various users and applications access.
* Written Python scripts for data validation and for various cleanup processes for every single application bug fixes.
* Analysed data requirements for business applications and built conceptual models.
* Developed physical data model and data migration/conversion strategies for internally hosted applications.
* Acquired Copart’s business knowledge for: debugging model/data related issues, explaining the models to application teams or business.
* Worked with application teams to identify ways to optimize the database tier and work to implement improvements for future releases.
* Extensively worked with tools like Jenkins to implement build automation.
* Expertized in using JIRA software with Jenkins and GitHub for real time bug tracking and issue management.

**Client: Capital One June 2019- Nov 2019**

**Application Developer**

**Responsibilities:**

* Compile, analyse, and report data to explain economic phenomena and forecast market

trends, applying mathematical models and statistical techniques.

* Use various Digital technologies to mine complex, voluminous, and different varieties of

data sources and platform.

* Build well-managed data solutions, tools, and capabilities to enable self-service

frameworks for data consumers

* Partner with the business to provide consultancy and translate the business needs to

design and develop tools, techniques, metrics, and dashboards for insights.

* Drive an understanding and adherence to the principles of data quality management

including metadata, lineage, and business definitions

* Study economic and statistical data in area of finance.
* Perform segmentation, analysis and customer outreach fulfilment on KYC, servicing,

and acquisition projects and successfully deliver new solutions based on data

* Build and execute tools to monitor and report on actions performed on customer

accounts

* Partner closely with risk, marketing, digital, servicing, and technology teams and stakeholders on strategic projects focused on enriching the quality of customer experience, building intelligence

and insights, supporting modernization of the platform and enabling adoption of

business use cases.

* Work with extensive data to uncover pattern, problem &amp; unleash value for the

Enterprise.

* Closely partner with Business managers to frame requirements, test and deliver

campaigns in Agile methodology.

* Support leadership in executing recommendations for the long-term data strategy,

incorporating both business and technical needs.

* Running queries using Microsoft Access supported with Python and SQL as programming

language for data management.

* Use analytical tools such as SQL, Python, R, Excel, and AWS to perform analysis and

provide solutions.

* Communicate analysis, complex data analysis techniques and key results in clear writing

and via presentations for policy makers, academics, press and interested public usage,

as needed.

* Skills &amp; Tools needed for this position: Statistics (Python, R, SAS), Database Management
* (SQL), Advanced Excel modelling (VBA), Access (VBA), GIS analysis (ArcGIS10),
* Optimization Programming Language (OPL) and Optimization Engine C-PLEX
* This position is highly analytical and requires someone with good specialized knowledge

as well as the attainment of a minimum of a Master’s degree in the field of

* Engineering or a directly related field such as Information Technology

**Infoville Inc June 2018 – March 2019**

**Data Analyst**

**Responsibilities:**

* Developed SAS macro programs for creating daily monitoring reports
* Worked extensively in Python development by decoding SAS scripts and migrating it to Python programming for several reports
* Converted Teradata SQL scripts to Snowflake SQL scripts.
* Working knowledge of Amazon’s Elastic Cloud Compute (EC2) infrastructure for computational tasks and Simple Storage Service (S3) as Storage mechanism.
* Used AWS services like EC2 and S3 for small data sets processing and storage, Experienced in Maintaining the Hadoop cluster on AWS EMR.
* Involved in technical documentation of migration work from SAS to Python and Teradata to Snowflakes.

**Empower Insurance, Dallas, TX March 2017 – June 2018**

**Data Analyst**

**Responsibilities:**

* In this auto insurance project ,extensively worked on SSRS and SQL server and delivered complex Sales Report, Agent Policy Report, Accounting Report, Claims report, Claimants report, Application count summary report, Billing report and other insurance/payroll reports to our CFO and CTO with great quality and in a timely manner.
* Fulfilled all the data driven analytical questions for Application, Claims and PIF department by providing Graphical and Interactive Charts and Reports by using Power BI, SQL server.
* Used Power BI with R for forecasting analysis of potential customers and finding the right written premium for them to increase the profit for the company.
* Developed various solution driven visualization and stories by using Pie charts, Bar charts , Tree maps , Heat maps etc.
* Performed cluster analysis in R to identify most potential customers.
* Experienced in Power Automate working with services, triggers, actions,conditions,loops.Run a flow on schedule
* Have used R package like Caret for classification and regression algorithms.
* Developed predictive models using Power BI and R to predict customers churn and classification of customers.
* Used Clearwater for data aggregation, reconciliation, accounting, and reporting.
* Scheduled and managed daily/weekly/monthly sales and operational reports based on the business requirements.
* Created and maintained SSIS ETL packages to extract data from different systems, and load variety of large volume data into data warehouse from different sources like flat file, Excel file for BOGC staffs.
* Automated few manual tasks using stored procedure and reports which increased the efficiency of the process.
* Acted as a liaison between our CEO and Reinsures and understanding and gathering information for their business decisions and developed several Dashboards, reports and analytical findings customized for them
* Worked closely with Product Manager in forecasting Customers applications and Claim Amounts by developing Analytical reports and Graphs in both SSRS and Power BI and SQL server.

**Ernst & Young, Dallas, TX Sep 2015 - Dec 2016**

**Data Analyst**

**Responsibilities:**

* Analysed and documented various patterns, understood the behaviour of client's Payroll data, New Hire Data, Location Data thus handling Non-WOTC credits (IEC, FEDEZ, CAEZ credits, etc.)
* Created various financial reports by solving many standardized processes which involved credit calculations of client’s payroll data using Tableau, Excel formulas, Pivot tables and Charts.
* Automated reports such as checklist, various payroll info reports using SSRS and provided meaningful data insights for internal business decisions
* Performed Data cleansing, Standardizing and loading the payroll data using SSIS
* Understand the requirements, design and implement data sourcing solutions by doing data modelling and implementing ETL using technologies like Teradata, SSIS.
* Ensure data warehouse and data mart designs efficiently support BI and end user
* Designed conceptual data model based on the requirement, interacted with non-technical end users to understand the business logics
* Create Ad-Hoc queries with SQL for my manager and internal clients and Stored Procedures for analysis of data and report generation
* Expertly handled nearly 35 clients and maintained a trust-worthy relationship by effectively communicating during requirement gathering, delivering in a timely manner

**US Army and Air Force Exchange Services, Dallas, TX Jan 2015 - Apr 2015**

**Business Intelligence Analyst**

* Pre-processed raw data in Excel using Macros and implemented the ETL process.
* Used Tableau, T-SQL, Pivot Table and Charts to query and analyse IT performance data.

**Tata Consultancy Services, Chennai, India Sep 2010 - Jul 2013**

**Business Analyst**

* Generated Analytical Reports for Vendors, Suppliers and Customers.
* Developed interfaces to load purchase order, invoice and payment details into database using PL/SQL.
* Wrote Python scripts for validating purchase order and sales order interface data.
* Supported the Supply Chain Management module and provided solutions for various critical issues.
* Developed PL/SQL packages that analysed and cleared redundant, crashed transactions and recommended proactive alerts to the customer.
* Developed functional test cases for ERP modules and wrote QTP scripts for test case automation.

***\*References and additional details available on request.***