**Spurthi Shetty**

**Business Data Analyst**

spurthishettyy26@gmail.com 857-334-1054

Nashville, TN

***Summary***

* Over 7 years of strong experience in Business and Data Modeling/ Data Analysis, Data Architect, Data Profiling, Data Migration, Data Conversion, Data Quality, Data Governance, Data Integration, MDM, NoSQL and Metadata Management Services and Configuration Management.
* Experienced in planning, facilitating and conducting **JAD sessions**, workshops involving various stakeholders from cross functional teams
* Hands on experience in delivering value as a Business Analyst during various phases of project management life cycle ranging from migration, upgrade to bigger Implementation projects
* Highly proficient in preparing **Business Requirement Documents (BRD), Functional Requirement Documents (FRD), User Requirement Document (URD)**
* Understanding of Agile/Scrum& Waterfall models, Software development lifecycle **SDLC** and **STLC** methodologies
* Exceptional documentation skills for writing use cases and functional requirement documents as well as for creating Activity diagrams, State diagrams based on **UML** Methodology and business process flow diagrams using **MS Visio**
* Good in creating Screen **Mockups**, conducting **GAP Analysis**, Prototyping and Impact Analysis, and **SWOT analysis**
* Skilled in implementing SQL tuning techniques such as Join Indexes (JI), Aggregate Join Indexes (AJI's), Statistics and Table changes including Index.
* Proficient in utilizing analytical applications like **Python** and **R** to identify trends and relationships between different data points to draw appropriate conclusions and translate analytical findings into risk management and marketing strategies that drive value.
* Experience in business intelligence and data analysis, Reporting, Data Preparation, Data Validation, Data warehousing, ETL techniques, Visualizations, software and predictive model design and development using Tableau, RDBMS tools, IBM Cognos, Power BI, Excel, python.
* Experience in Documentation tools like **MS Visio, MS Project**, and **MS Office** to create reports required for the projects and client submissions.
* Extensive knowledge in **Machine learning, Data mining, SQL Queries,** and Databases.
* Proficient in writing queries and sub queries to retrieve the data using **SQL** from various servers including **Microsoft SQL, Oracle,** and **MySQL**.
* Worked on generating ad hoc reports and analyzing the data for fixing the errors and expert taking initiatives in taking Business decisions.
* Experienced in handling all the domain and technical interaction with application users, analyzing client business processes, documenting business requirements.
* Experienced in writing Design Documents, System Administration Documents, Test Plans & Test **Scenarios/Test Cases** and documentation of test results.
* Extensive experience in the development of **T-SQL, OLAP, PL/SQL, Stored Procedures, Triggers, Functions, Packages**, performance tuning and optimization for business logic implementation.

***Technical Skills***

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| **Business Analysis Skills** | Requirement Analysis, Workflow Design and Business Process Automation, Enterprise Architecture, SDLC, Solution Design and Implementation, Data Modelling, Use Case Modelling, Testing Strategy and Execution, Investment Management Systems, Process mapping- BPMN, Agile, Waterfall |
| **Requirement Gathering** | Rational Rose, MS Visio, MS Word, MS Excel, MS PowerPoint  |
| **Database** | Oracle, Sybase, SQL, MS Access,MS SQL  |
| **Methodologies** | UML, RUP, SDLC, Waterfall, Agile |
| **Project Management** | Microsoft Project, Microsoft Office Suite |
| **Test Management Tools** | HP QC, JIRA, Test Director & Bugzilla |
| **Automated Testing Tool** | Quick Test Professional (QTP), RFT, Selenium, SOAP UI |

***Professional Experience***

**BBVA Bank, Birmingham, AL Jul 2020 - Present**

**Role: Business Data Analyst**

**Description:** BBVA Bank is leading the transformation of banking worldwide, united in pursuing our goal of bringing the age of opportunity to everyone. Firmly focused on the future, our on-going digital transformation is already producing disruptive innovations that power our vision of banking.

**Responsibilities:**

* Constructed advanced SQL scripts to extract data from Oracle SQL server which saw 23% increase in query performance in AWS Workspace
* Perform data discovery, profiling and data quality using Oracle SQL server and various other tools, like ETL Tool **Informatica** for running SQL queries in Agile methodology using JIRA stories. Resolved data integrity issues and developed data mapping templates which resulted in improvement in data consistency
* Translated the business needs into analytic and reporting strategies through the development, execution of data, implemented **Python**, scripts to web scrapping and data wrangling processes for structured as well as unstructured data
* Automated strategic business planning process by deploying centralized Reporting/ Data Catalogue from source to target data
* Involving in facilitating audience with Stakeholders, Requirement Workshops, Elicitation, Gathering and Documenting Requirements, including JAD Coordination, Cost Estimation Sessions, Structured Walkthrough Sessions, Focus Group Sessions, **Vendor Assessment** and Lesson Learned Documents
* Creating and maintaining detailed functional design documents, project artefacts, RTM, test plans and scripts according to business requirements and provided walkthrough to get the sign off approvals through reviews with the stakeholders
* Translated the business needs into analytic and reporting strategies through the development, execution of data, implemented **Python**, scripts to web scrapping and data wrangling processes for structured as well as unstructured data
* Work with team members, vendors and department managers to identify gaps, errors and controls necessary
* Demonstrable understanding of typical **ERP** systems processes (**Order 2 Cash, Procure 2 Pay, Quote 2 Pay, Payment Processing, Credit Cards ,Payment Processing, Credit Cards**)
* Participating client business review sessions **(Pre-Work, JAD, and Walk through**) to influence decisions regarding use of technology to support objectives or address issues
* Experience on Migrating SQL database to Azure data Lake,  Azure SQL Database, **Azure Data Bricks** and Controlling and granting database access and Migrating On premise databases to Azure Data lake store using Azure Data factory.
* Documenting requirements ensuring that they accurately and completely describe the business need in the context of the project or initiative Provided BA support to Development and QA teams during the build and test cycles Coordinated **JAD** sessions with business users to analyze, gather and define the key performance indicators, document and present the requirement specifications
* Interact with clients to manage the end-to- end process from requirement gathering to go live phase of the project and provide timely inputs to the **stakeholders** like PMs, development and the testing team
* Part of Daily Scrum meetings for different internal project teams and as well as management Scrum meetings
* Responsible for conducting presentations on project performance and development to the management
* Preparing Release documents for the **Business Managers** emphasizing on the features of our product for every new release
* Updated/Managed data and queries using **PLSQL** and retrieve data related to equipment’s performance and quality reports.
* Experienced in advanced **Tableau** features including calculated fields, parameters, table calculations, row-level security, joins, data blending, and dashboard actions.
* Responsible for preparing and maintaining weekly Incident reports in Jira for the management

***Environment****: Oracle, SQL, Oracle SQL Server, AWS Work Space, SQL, SSAS, XML, SDLC, PL/SQL, Informatica IDQ*

**Prolifics, Nashville, TN Apr 2018-Jul 2020**

**Role: Business Data Analyst**

**Description:** Our experience across multiple industries means we understand – and will help you meet your customers’ demands and expectations. We use our knowledge of Cloud, DevOps, Data, and Quality to give you fast, complete solution delivery experiences that you will find nowhere else.

**Responsibilities:**

* Created Logical & Physical Data Modeling on Relational (**OLTP**), Dimensional Data Modeling (**OLAP**) on Star schema for Fact & Dimension tables using **Erwin**.
* Assisted to create an algorithm to detect anomaly/outlier detection on abnormal events for the month to month sales of medical devices to distributors.
* Worked closely with business stakeholders to gather user requirements, make recommendations for process improvement and provide input to goal planning/roadmap
* Developed use cases for various web applications based on user stories to facilitate reporting and user interface requirements and created **BRD, SRS**, High-Level Design Document, and Functional/ Technical Requirement Documents and uploaded the documents in Knowledge Link
* Conducted **JAD** sessions and baseline the user requirement specifications
* Performed data analysis and data profiling using complex SQL on various sources systems and answered complex business questions by providing data to business users.
* Experienced in advanced **Tableau** features including calculated fields, parameters, table calculations, row-level security, joins, data blending, and dashboard actions.
* Ensures accuracy of Standard Operating procedures (SOP) as it relates to vendor management and all related functions
* Extensively worked on **MS SQL server** to retrieve, validate and generate the clinical data using SQL queries.
* Interfaced with external vendors for walkthrough of application releases during **SIT and UAT phases**
* Led the team in the adoption of **Agile** methodology by taking workshops and role play sessions
* Worked closely with the development team to implement ongoing backlog grooming through well-defined user stories with acceptance criteria resulting in increased focus on high priority work
* Established effective daily scrums, automated builds with continuous integration, better capacity planning, definition of done, retrospectives and sprint reviews
* Worked with Business Management System and **UXML** and framed Process Flow Diagram using Microsoft Visio
* Conducted Daily/Weekly Review Meetings with PM, Development team/SQL DBAs, IPS team, Windows Infra Structure team for smooth migration of the above Historical databases
* Used **SQL** queries to validate business rules and data mapping
* Monitored sprints closely with story board and burn down charts to identify any risks and/or scope
* Generated Monthly Global Metric/ **KPI** reports for the Global Service Performance to US, CA, Europe and Asian Regions supporting the **PLM** project.
* Automated tasks for Ad-Hoc, metric reports, and excel spreadsheets to reduce the workload, quality and to enhance time redundancy
* Automated Access with **Excel** to extract information from various Excel files and imported them into MS Access.
* Held Walkthroughs with **QA, BA, SMEs,** and Stakeholders for a better understanding of Data Analysis with Reports.
* Experienced in advanced **Tableau, Qlik View** features including calculated fields, parameters, table calculations, row-level security, **joins**, data blending, and dashboard actions.

***Environment****: Oracle, SQL, Teradata, IBM, SQL, SSAS, , XML, SDLC, PL/SQL*

**Caterpillar, Peoria, IL Jun 2017-March 2018**

**Role: Business Data Analyst**

**Description:** Caterpillar Inc. is an American Fortune 100 corporation that designs, develops, engineers, manufactures, markets and sells machinery, engines, financial products and insurance to customers via a worldwide dealer network.

**Responsibilities:**

* Developed full life cycle software including defining requirements, prototyping, designing, coding, testing and maintaining software.
* Assisted in gathering business requirements, doing **gap analysis** and documents them textually or within models.
* Collaborated with the senior business analyst in defining the scope, and defining business rules of the project.
* Handled **JAD** sessions for requirements gathering, analysis and design of the system.
* Visualized data by using advance **tableau** functions like action filters, context filters, and Level-of-Detail (**LOD**) expressions.
* Extensively used the Agile methodology as the Organization Standard to implement the Data Models.
* Actively interplayed with different business groups to perform Gap analysis to identify the deficiencies in the system by comparing the actual objectives with the system objectives desired.
* Used MS Visio for Process modeling and Business Process flow diagrams.
* Extracted data from various sources (SQL Server, Oracle, text files and excel sheets), used ETL load scripts to manipulate, concatenate and clean source data.
* Involved in the data transfer creating tables from various tables, coding using PL/SQL, Stored Procedures and Packages.
* Implementing data using **AWS S3** buckets for data analysis
* Performed data analysis, statistical analysis, generated reports, listings, and graphs using **SAS** tools, SAS Integration Studio, **SAS/Graph, SAS/SQL, SAS/Connect** and **SAS/Access.**
* Responsible for checking the daily inbound, outbound data activities and update appropriate **EMR** data in the back end of the production server.
* Supported and worked closely with the Data Engineering team using **Azure Data Factory** creating pipelines and following **ETL** processes during migration to the cloud
* Extensively worked on **MS SQL server** to retrieve, validate and generate the clinical data using **SQL** queries.
* Worked with senior programmers and **QA** personnel in performing unit and user acceptance tests to ensure best performance and compatibility of **MS Access database** or applications on various platforms as well as providing regular system updates as required
* Maintained Referential Integrity by Introducing foreign keys and normalized the existing data structure to work with the **ETL** team and provided a source to target mapping to implement incremental, full and initial loads into the target data mart by initiating data from **XML and JSON** files for the data manipulation.
* Created conceptual, logical and physical data models, data dictionaries, DDL and DML to deploy and load database table structures in support of system requirements.
* Ability to document activities and communicate with Data Architects as to the status of Physical Data Modeling activities.
* Developed and maintained the data dictionaries, **Naming Conventions, Standards**, and Class Words Standards Document.
* Handled importing of data from various data sources, performed transformations using **Hive**. (External tables, partitioning).

***Environment****: Python, SQL, Jupyter, NumPy, Tableau, MS Office Suite, Visio, PowerShell, Windows XP, 7, 10...*

**Staples Inc, Framingham, MA Oct 2016-May 2017**

**Role: Business Analyst**

**Description:** Staples Inc. is an American office retail company. It is primarily involved in the sale of office supplies and related products, via retail channels and business-to-business-oriented delivery operations.

**Responsibilities:**

* Answerable for gathering business requirements and preparing FSDs, communicate with Dev and QA Team
* Created artifacts like **BRD, FDD or Use Case Model, Data Model (Content Model or DMM)**
* Implemented compliance management software to assist with self-assessment, implementation & documentation of compliance controls & reporting including anti-money laundering/anti-terrorist financing (**AML/ATF**), privacy and corporate governance
* Completed regulatory reports for Financial Institutions, Financial Services Commission and other state regulators
* Predominately responsible for creating new, modifying existing, and analyzing data within our reporting system.
* Involved in gathering data from a different team, along with business intelligence team to provide reports, coordinating the deliverables, gathering and documenting the requirements.
* Performed in-depth analysis of data and prepared daily reports by using **SQL, MS Excel, Share Point**.
* Import and Update **Excel** values to **SharePoint** with workflows for better analysis
* Managed to scheduled data refresh on the **Qlik View** and **Tableau** Server for weekly and monthly increments based on business changes, which updated on the **dashboard**.
* Experienced in translating requirements into actionable reports and providing consulting support to clients that is data-based, analysis-driven, and a strong understanding of customer relationship management.
* Performed various ad-hoc analysis by extracting data from multiple source systems and creating comprehensive reports for end-users.
* Define data needs, evaluate data quality, and extract/transform data for analytic projects and research.
* Analyzing data and prototype models for targeting and personalization, work on analytical or experimental requirements to devise data solutions.
* Effectively communicate and document technical analyses and results.
* Involved closely with the **Marketing** and Operations team to understand/define requirements, domain knowledge/models, and data needs.
* Ensure analysis and solutions drive business decisions.
* Developed a solution that will aid in the data capture, data cleansing, data monitoring and reporting of customer data.
* Helped define key business problems to be solved; analyze data to solve those problems.
* Generated Heat maps to identify the risk and flaws in the business.
* Validated Data to check for the proper conversion of the data. Data cleansing to identify unnecessary data and clean, data profiling for accuracy, completeness, consistency.

***Environment****: Python, SQL, Jupyter, NumPy, Tableau, MS Office Suite, Visio, PowerShell, Windows XP, 7, 10...*

**Sutter Health, Sacramento, CA Aug 15 - Sep 2016**

**Role: Data Services Analyst**

**Description:** Sutter Health is a not-for-profit health system in Northern California, headquartered in Sacramento. It includes doctors, hospitals and other health care services in more than 100 Northern California cities and towns.

**Responsibilities:**

* Collecting and evaluating business requirements, functional specifications, project schedules, documentation, Performed ETL data integration using Alteryx and developed Tableau and Looker applications to analyze **KPI’s** and trends to improve the performance of the firm
* Developed plans for verification and validation of requirements at all levels so that developed software successfully fulfilled user expectations and business needs
* Analyzed the **Gap/defect** raised against the requirements and participate in defect meetings
* Offered as a liaison between the programmers and internal business entities in designing and implementing functionalities Support the business users in **UAT** and in handling issues during implementation
* Assisted in documenting User Manual and facilitate **UAT** and provided follow up to resolve the issues
* Conducted one-to-one meetings and web-Conferences as well as JAD sessions with different stakeholders; analyzed and came up with suggestions providing consistent process for the communication, escalation, and resolution of issues
* Perform data discovery, profiling and data quality using **SQLServer** (**SSMS**) and various other tools, like Alteryx **ETL Tool** for running **SQL** jobs.
* Deployed data using **DB2 and CSV** files for data integration using Alteryx
* Built and developed data analytical databases from complex underwriting, claims, finance, and external source data.
* Automated in migrating reports from **Alteryx** to **Tableau** server and successfully archived reports using **Snowflake** cloud platform
* Gained strong working experience using Waterfall and Agile software development and project management methodologies.
* Used **ETL** to develop functions for extracting, transforming, cleaning, loading data from various sources to a different destination.
* Used **Python**, **Tableau, Looker** and **Excel** to analyze the number of products per customer and sales in a category for sales optimization.
* Visualized data by using advance tableau functions like action filters, context filters, and Level-of-Detail (**LOD**) expressions.

***Environment****: Python, SQL, Jupyter, NumPy, Tableau, MS Office Suite, Visio, PowerShell, Windows XP, 7, 10...*

**Radiant Technologies, Mumbai June 2013 - March 2015**

**Role: Business Data Analyst**

**Description:** Radiant Technologies Vision is to become the preferred choice of electrical utilities across the country and thus make a significant contribution to the industrial progress of the country.

**Responsibilities:**

* Worked with Analytics team to evaluate & developed organizational change business models with the requirements, also gathered, analyzed and documented business and functional requirements and created UML diagrams for systems analysis
* Acted as a liaison between business leaders, technical managers and internal stakeholders to translate use cases into requirements and developed implementation strategies for new technology and by prototyping tools like Azure RP, Balsamiq
* Translated the business needs into analytic and reporting strategies through the development, execution of data, implemented **Python**, R to web scraping and data wrangling processes for structured as well as unstructured data
* Migrated data from OLTP to OLAP by using big data technology **Sqoop** for ETL process and **HIVE** to fetch data and performed data visualization to develop BI reports consisting of interactive dashboards, charts to perform trend analysis, using Tableau
* Deployed SQL queries cloud platform **Microsoft Azure**& AWS Platform for overall better performance & efficiency.

***Environment****: Python, SQL, Jupyter, NumPy, Tableau, MS Office Suite, Visio, PowerShell, Windows XP, 7, 10...*