**Lekya Kalidindi**

**Data Engineer**

**Mobile: +1 (510)-854-1314**

**Professional Summary:**

* Total **8+** **years** of professional experience with concentrated professional experience In Data Engineer/ Data Analyst/ python Developer/Quality Engineer in requirement gathering and data modeling including design and support of various applications in OLTP, Data Warehousing, OLAP and ETL Environment.in various business domains including health care, Automotive and banking industries.
* **Certified** Professional **Scrum** **Master** 1,Certified **ITIL** **V3.**
* Gathering **functional** **requirements** and translating business needs into **technical** **requirements**, **requirements** **elicitation**.
* Experienced in creating **Product** **backlogs** (with **Epics** & **features**) & **SRS** **documents** inline to the requirement discussions with PO/customers.
* Experienced in providing project demos to PO/customer to provide clear insights w.r.t requirements developed.
* Responsible for verifying the requirements and providing approval to ensure all the requirements are covered as part of **SDLC** phase before release to **UAT**.
* Experience in performing UAT testing on behalf of customers/ PO on need basis.
* Have hands-on experience in **SQL** queries.
* Experienced working with **QA** Engineers to develop effective strategies and Test plan responsible for organizing and delivering End-to -End Testing within an Agile/**Waterfall** **Projects** -execute test cases Manual /automated and analyze test results.
* Providing **Traceability** across the project by analysis and review of project elements involved including requirements, testing artifacts, end -user support documentation and training materials.
* Experience of working in **multi-vendor** environments and supporting cross functional teams.
* Expertise in creating **UML** **use case diagrams**, **sequence** **diagrams**, **class** **diagrams**, **sequence** diagrams, **Data flow** diagrams using tools like **draw.io / Visio**.
* Experience in creating wireframes and prototypes across the project using tools like **Figma**.
* Led the development of a data lake architecture on AWS, encompassing data acquisition and training/testing datasets to enhance analytics capabilities.
* Managed data acquisition tasks using AWS services such as Glue, Athena, Lambda, and EMR, streamlining data processing and analysis.
* Executed real-time data extraction from databases using SQL, providing critical insights for informed decision-making across teams.
* Good experience in Shell Scripting, Oracle RDBMS, SQL Server, UNIX and LINUX.
* Designed and implemented ETL processes in Hive, including high-level documentation of data flows, source extraction, and error handling protocols.
* Developed automation scripts using Python and PySpark to reduce manual data processing efforts, enhancing operational efficiency.
* Integrated Python-based REST APIs for efficient data ingestion from external sources into Big Query, optimizing data workflows.
* Conducted thorough data validation post-code changes, ensuring accuracy and reliability before production deployment.
* Utilized Bitbucket for code management and deployment, ensuring smooth collaboration and version control within the data quality team.
* Created comprehensive dashboards using Tableau, employing diverse visualization techniques to deliver insightful analytics.
* Prepared extensive documentation for data entities, relationships, and business rules, ensuring clarity and adherence to standards.
* Developed business and sales reports using Power BI, Tableau translating data into actionable insights for stakeholders.
* Managed project artifacts including business requirements documents and data flow diagrams, ensuring alignment with project goals.
* Conducted predictive analysis using Python scripting, contributing to data-driven decision-making processes.
* Configured applications on AWS EC2, managed S3 buckets, and implemented IAM policies to secure AWS resources effectively.

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| **Languages** | Python |
| **DevOps & PAAS tools** | Splunk, Bitbucket |
| **BI & Data Analysis Tools** | Power BI, Tableau, IBM Cognos, SPSS, SAS, Power Pivot, Power Query |
| **Databases** | MYSQL, Oracle, Hadoop |
| **Operating Systems** | Windows(xp/7/8/10), UNIX |
| **Visualization Tools** | Tableau, Power BI |
| **Deployment Tools** | Jenkins, Docker |
| **Cloud** | AWS and GCP – Databricks, Data Lake, S3, EMR, Delta Lake |
| **Tools** | JIRA, Kanban, Confluence, Draw.io, Figma, Visio, PowerPoint, ITSM, Dynatrace, Ms. Office (Excel, Word, Power point), Figma, CI/CD |
| **Methodologies** | Agile, Waterfall, Test Driven, Scrum Models, Risk Management |
| **Skills/Practices** | Business Analysis, Analytical Thinking, Strategic Management, Technical Process Improvement, Problem Solving, Team Supervision, Team Budget Management, Business Engagement, Voice Assistant, Requirements Management, Elicitation, UML Diagrams, Risk Assessment, Resource allocation, Budget Negotiation, UI/UX, Gap analysis, RTM, Project Management |

**Client: Ellucian (Remote) Jan 2024 - Current**

**Role: Data Engineer**

**Responsibilities:**

* Participated in building data lake like data acquisition and data Iku (to train and test data) in AWS.
* Worked on data acquisition piece (IAM) and deployed it to glue and from glue to Athena using lambda, SNS, EMR.
* Responsible for performing data gathering tasks by extracting real-time data from database using SQL
* to help other team members make informed decisions.
* Implemented Map Reduce jobs in Hive by querying the available data and designed the ETL process by creating high-level design document including the logical data flows, source data extraction process, the database staging and the extract creation, source archival, job scheduling and Error Handling.
* Used python and pyspark scripts and developed automation scripts to reduce manual effort.
* Integrate Python-based REST APIs for streamlined data ingestion from external sources to Big Query.
* Worked on data validations after code changes and moved to production. Validated data and eliminated all discrepancies before it is delivered to users.
* Used Bitbucket to move the code and then deployed it to DQ team.
* Used Splunk logs to check the errors where the data is breaking.
* Leverage Tableau to create insightful dashboards, providing comprehensive insights through varied

plotting techniques.

* Developed CI/CD pipelines using Azure DevOps to deploy Snow SQL's, data factory components

and python scripts to their respective destinations.

**Company: Achala IT Solutions PVT.LTD Jan 2021 –Dec 2022**

**Client: ELRO AI**

**Role: Data Analyst**

**Responsibilities:**

* Prepared documentation for all entities, attributes, data relationships, primary & foreign key structures, allowed values, codes, business rules, glossary evolve & changes during project.
* Analyze raw data, draw conclusions & develop recommendations writing SQL scripts to manipulate data for data loads and extracts.
* Develop Business and sales report using Power BI
* Create and maintain project artifacts such as business requirements Document, data flow diagrams.
* Create and document other software related deliverable as and when required.
* Data analysis using SQL, DAX functions in Excel, Power BI, Tableau and SPSS.
* Involved in writing the SQL Scripts for report development, Tableau reports, Dashboards and handled the performance issues effectively.
* Created Dataflow Diagrams to indicate flow of Data from various source to the target system and the connection from which source we can get the required information in future as well.
* Python scripting for predictive Analysis
* Worked with the Quality Assurance team to build the test cases to perform unit, Integration, functional and performance Testing.
* Hands- on configuring applications on AWS EC2 Instances and the stage on S3 buckets, perform S3 buckets creation, policies and IAM role-based policies and configuring user access levels.
* Utilized python Libraries like Boto3, NumPy for AWS.
* Hands on experience using IAM for creating roles, users’ groups, and MFA to provide additional security to AWS account and its resources.
* Worked on different data formats, Flat files, SQL files, Databases, XML Schemas, CSV files.

**Company: Achala IT Solutions PVT.LTD Jan 2018 – Dec 2020**

**Client: Aeldra Financial, Inc**

**Role: Data Analyst**

**Responsibilities:**

* Developed work plans, Managed deadlines and coordination of project team and sub-team activities.
* Involved in project cycle plan for the data warehouse, source data analysis, data extraction process, transformation and ETL loading strategy designing.
* Developed mapping spreadsheets for ETL team with source to target data mapping with physical naming standards, data types, volumetric, domain definitions, transformation rules and cooperate meta data definitions.
* Designed and developed Business Application to calculate sales commission to HR and finance department.
* Built Dynamic Business solution and Dashboard with Excel Power Pivot, DAX, Power Query.
* Analyze raw data, draw conclusions & Develop recommendations writing SQL Scripts to manipulate data for data loads and extracts.
* Involved in data mining, transformation and loading from source systems to target system.
* Wrote SQL statements to extract data from SQL Server database.
* Developed yearly reports and presented them to the Board of directors.
* Developed Data collection and analysis plans and conducted analysis of datasets using various statistical techniques in SPSS and excel.
* Developed AWS Lambda functions in python using S3 and SQS triggers to automate workflows and developed python scripts to store and retrieve objects in AWS S3 buckets.
* Worked on reading queues in Amazon SQS, which have paths to files in Amazon S3 Bucket.
* Aggregate clean files in Amazon S3 Bucket.

**Company: Achala IT Solutions Pvt.Ltd Oct 2015 – Dec 2017**

**Client: BMW**

**Role: Business Analyst**

**Responsibilities:**

* Certified Scrum Master and ITIL V3 with expertise in Agile Scrum and Waterfall methodologies.
* Skilled in creating BRDs, FRDs, product backlogs, and SRS documents, translating business needs into technical requirements.
* Proficient in SQL, UML diagrams, wireframes, and prototypes using tools like draw.io, Visio, and Figma.
* Managed end-to-end testing with QA teams and ensured alignment of development activities with project scope and standards.
* Conducted UAT testing, project demos, and provided approval for SDLC requirements.
* Developed reports using Tableau for project insights and maintained project traceability.
* Strong communication, problem-solving, and collaboration skills with multi-vendor teams.
* Leveraged Agile/Scrum methodologies to effectively bridge the gap between business and technology teams, ensuring seamless communication and efficient project delivery through PI planning and sprint cycles.
* Regularly interface with stakeholders, including VPs and Sr. Directors, to provide thought leadership and ensure alignment with business goals, facilitating smooth requirement gathering, project execution, and delivery.
* Developed detailed Use Case Diagrams, Activity Diagrams, and Sequence Diagrams using MS Visio, along with comprehensive Business Requirement Documents (BRD) to ensure accurate capture and communication of business needs.
* Conducted thorough risk assessments to identify potential project risks, including financial and operational impacts, and collaborated with cross-functional teams to implement mitigation strategies.
* Worked closely with the UI/UX team to translate business requirements into mockups, wireframes, and prototypes, ensuring user-friendly interfaces that enhance overall user experience.
* Documented and validated customer data sources, creating Data Mapping documents to ensure data quality and correctness, and supporting accurate reporting and analytics.
* Conducted comprehensive testing phases, including functional, regression, and user acceptance testing, to verify that all client needs were met, documented defects, and ensured issues were resolved before production release.
* Collaborated with architects on Service-Oriented Architecture (SOA) design aspects, ensuring smooth integration with external systems and aligning technical designs with business requirements.
* Performed GAP ANALYSIS between the "AS-IS" and "TO-BE" models to identify deficiencies in existing processes and proposed enhancements that align with the organization’s strategic objectives.
* Provided training and mentorship to junior Business Analysts, creating manuals, standard operating procedures, and conducting workshops to enhance team capabilities and ensure knowledge transfer.
* Developed and presented project dashboards using Tableau to provide stakeholders with insights into project progress, identifying areas for improvement and celebrating milestones.
* Led AI-driven projects such as ELRO AI, integrating voice assistants like Amazon Lex and Polly into products, and driving innovation in AI-based user interactions and experiences.
* Acted as a liaison between development teams and end-users, ensuring that technical solutions aligned with business needs and facilitating smooth communication across functional teams.
* Assisted in the creation and execution of Change Management deliverables, including testing documentation, process flows, and communication strategies to ensure smooth transitions during project implementations.

**EDUCATIONAL QUALIFICATION:**

* Bachelor of Technology -Computer Science and Engineering, JNTUK -May 2015.
* Master of Science -Information Technology – Kennesaw State University -May 2024.