

LAXMI CHANDRA

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PROFESSIONAL SUMMARY

- Data Engineer with 7+ years of experience in data analysis, design, testing, development, implementation, enhancements, and maintenance.
- Proficient in Agile, Test-Driven Development (TDD), Iterative, Scrum, and Waterfall SDLC methodologies.
- Strong ability to interface directly with key internal stakeholders.
- Expertise in data warehousing, data modeling, dashboard development, and report design.
- Extensive experience leveraging Google Cloud Platform (GCP) services including Cloud Natural Language API, BigQuery, and Cloud Functions for building, training, and deploying machine learning models for test analysis, sentiment analysis, and entity recognition.
- Skilled in SQL, PL/SQL, and NoSQL databases such as Microsoft SQL Server, Oracle, and HBase. Experienced with big data tools like Hive, Kafka, and HDFS for data integration.
- Proficient in using DialogFlow, Informatica, and Airflow on GCP.
- Advanced skills in designing analytical reports and dashboards using Tableau and Informatica to identify critical KPIs and support strategic planning.
- Strong communication, problem-solving skills, and ability to quickly learn and adapt to new technologies.
- Excellent documentation skills for business requirements, functional requirements, and system specifications.

SKILLS

Tools	Microsoft SQL Server Management Studio, Erwin Data Modeler, MDM, Advanced Excel Techniques: Pivot Tables/Charts, Vlookup.
Database	SQL, MySQL, TSQL, MS Access, Oracle, Hive, MongoDB, PostgreSQL
Programming Language	Python, R, SQL, C, Java Scripting, Shell Script
BI/ETL Tools	Informatica, SSRS, Splunk, Apache Airflow, Microsoft Azure
Methodologies	Agile, Scrum, waterfall
Productivity Tools	MS Word, MS Access, MS Excel, MS PowerPoint, MS Visio, MS Project
Operating systems	Windows, Linux, Unix

WORK HISTORY

Data Engineer
VERIZON

Jan 2018 – Present
Irving, Texas

- Led data analysis workstreams, identifying source metadata, data sets, data assets, definitions, and data formats.

- Developed automation scripts using Python, integrating over 50% of workflows with AEM and GCP.
- Designed view models for chatbot responses, enhancing models for new functionalities.
- Utilized Kafka for real-time data ingestion and HDFS for storage.
- Conducted data transformations, cleaning, and filtering on GCP for effective analysis.
- Created metadata reports for technical and business purposes using Informatica.
- Improved text classification tasks by 60% through hyperparameter tuning and model optimization using TensorFlow and AutoML Natural Language.
- Implemented test-driven frameworks, version control, and efficient code review processes.
- Utilized SSIS for ETL processes, extracting, transforming, and loading data into target systems.
- Developed visualizations with Tableau to analyze customer data and improve chat deflection rates.

Data Engineer

Vasantha Tools

Feb 2014 - Dec 2015

Hyderabad, India

- Documented business processes using Agile methodologies.
- Built and maintained a data warehouse on platforms such as Amazon Redshift or Snowflake to consolidate manufacturing data from multiple sources.
- Designed and optimized complex SQL queries for data retrieval, improving the performance of data analytics and reporting processes.
- Designed and developed DDL scripts, data mapping documentation, data dictionaries, and metadata frameworks.
- Created dashboards using Power BI and Tableau to monitor key performance indicators (KPIs) such as production rates, energy consumption, and machine utilization.
- Collaborated with clients to gather requirements and develop functional specifications for Power BI dashboards.
- Processed diverse data formats (JSON, XML) and applied machine learning algorithms in Python.

Education

Master of Science

Western Kentucky University

Bowling Green, KY