



VENKATA SAI RAKESH KUMAR KANDRA

I am a Data Engineer with over three years of experience in building and supporting enterprise data integration and cloud-based analytics solutions. My professional background includes working with Informatica IICS, Snowflake, Oracle, AWS S3, and Databricks to design reliable and scalable ETL pipelines. I hold a Master's degree in Information Technology Management from the United States, which strengthened my understanding of enterprise data systems and cloud technologies. I have experience working with global clients and supporting production environments in fast-paced projects. I am currently seeking Data Engineer opportunities in Germany that align with EU Blue Card requirements and allow me to contribute to data-driven decision-making.

DATA ENGINEER



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Education

Master of Arts – Information Technology Management

Webster University, St. Louis, Missouri, USA

Bachelor of Technology – Electronics and Communication Engineering

SSN Engineering College, Ongole, India

Technical Skills

ETL & Data Integration

- Informatica IICS (CDI, IDMC)
- Informatica PowerCenter 9.x / 10.x
- ETL design, incremental loading, CDC, SCD Type 1 & 2

Databases & SQL

- Oracle 11g / 19c / 21c
- Snowflake
- SQL Server, Teradata
- Advanced SQL, PL/SQL

Cloud & Big Data

- AWS S3, IAM
- Snowflake Streams, Tasks, Time Travel
- Databricks (notebooks, transformations)

Data Warehousing

- Star Schema
- Fact and Dimension modeling
- Data quality and validation

Operating Systems & Tools

- Linux / UNIX, Windows
- SnowSQL, SQL Developer
- Git

Experience

Botdefense IT Solutions (OPC) Private Limited, India

Data Engineer

Aug 2025 – Present

- Working as a Data Engineer on a cloud-based analytics platform supporting security and operational reporting.
- Designing and developing ETL pipelines using Informatica IICS (CDI) to integrate data from Oracle databases, AWS S3, and flat files into Snowflake.
- Implementing incremental data loads and change data capture logic using Snowflake Streams and Informatica parameterization.
- Creating Snowflake schemas, tables, file formats, and internal/external stages to support structured and semi-structured data ingestion.
- Loading and validating data using COPY INTO commands and SnowSQL utilities.
- Developing Slowly Changing Dimension (SCD Type 1 and Type 2) logic to maintain historical data.
- Supporting data transformation and validation using Databricks notebooks.
- Performing ETL performance tuning by optimizing transformations, partitions, and pushdown strategies.
- Monitoring production jobs, troubleshooting failures, and performing root cause analysis.
- Preparing technical documentation for ETL workflows, data models, and operational processes.

Sonata Software Pvt. Ltd. (Client: Microsoft), India

Data Engineer

Oct 2022 – Aug 2023

- Analyzed reporting requirements and supported ETL design using Informatica IICS.
- Developed and maintained mappings using standard Informatica transformations such as Source Qualifier, Expression, Filter, Aggregator, Lookup, Joiner, Router, and Transaction Control.
- Built mapping tasks, taskflows, and schedules for data integration processes.
- Loaded data from AWS S3 into Snowflake, including creation of file formats and stages.
- Implemented Snowflake Streams and Tasks to support incremental data processing.
- Assisted in Snowflake table design based on source structures.
- Performed ETL job monitoring, debugging, and data validation.
- Supported production environments and collaborated with support teams to resolve issues.
- Followed ETL best practices and participated in code reviews.

Sonata Software Pvt. Ltd. (Client: Microsoft), India

Informatica Developer / Product Support

Nov 2021 – Sep 2022

- Developed ETL processes using Informatica PowerCenter 10.x for enterprise data integration.
- Designed mappings and workflows to load data from multiple source systems into relational targets.
- Implemented Data Mart structures and applied SCD Type 1 and Type 2 logic.
- Created reusable mapplets and sessions to improve development efficiency.
- Scheduled and monitored ETL workflows using Informatica Workflow Manager.
- Performed data validation using Oracle SQL and PL/SQL.