

RONGALA LEELA SAI VARA PRASAD



Software Quality Engineer | ETL & Data Integration Testing

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PROFESSIONAL SUMMARY

Software Quality Engineer with **3.8+ years of experience** in **ETL testing, data migration, and cloud-based data platforms**. Strong expertise in validating large-scale data migrations, DWH concepts, BI report testing, and end-to-end data quality assurance. Proven ability to collaborate with cross-functional teams in Agile environments and ensure high-quality, production-ready data solutions across **GCP and Azure**.

Core Skills

- **ETL & Data Migration Testing:** ETL workflows, data validation, transformation checks, regression testing, end-to-end testing
- **DWH & BI Testing:** Data warehouse concepts, BI report validation, Power BI testing (UI, schema, tooltips, fonts, data accuracy)
- **Databases & Querying:** SQL (validation, transformation, performance checks), Oracle, MySQL, Google Cloud (GCP)
- **Cloud Platforms:** Google Cloud Platform (GCP), Microsoft Azure, Azure Data Factory (ADF), Microsoft Fabric
- **Automation & Frameworks:** Python automation frameworks, Databricks, CI/CD pipelines for test automation and reporting
- **Tools & Methodologies:** Jira (defect tracking, ticket management), SharePoint, Agile/Scrum methodologies

Tools & Technologies

- **Programming & Scripting:** SQL, Python, Unix Shell Scripting
- **Databases & Data Platforms:** Oracle DB, Databricks, Google Cloud (GCP)
- **BI & Reporting Tools:** Microsoft Power BI (report validation, schema checks, UI testing)
- **Collaboration & Tracking:** Jira (defect tracking, ticket management), SharePoint
- **Cloud & Integration Frameworks:** Microsoft Fabric, Azure Data Factory (ADF), CI/CD pipelines
- **Methodologies:** Agile/Scrum tools for sprint planning, defect closure, and status reporting

PROFESSIONAL EXPERIENCE

Software Quality Engineer

Client: GPC | June 2022 – September 2024

- Designed and executed **comprehensive ETL test cases** covering data extraction, transformation, and loading workflows for large-scale cloud migration projects
- Validated **data accuracy, completeness, and transformation logic** during migration from Oracle DB and heterogeneous data sources to **Google Cloud Platform**
- Performed **fact and dimension table validation**, ensuring consistency and compliance with business rules
- Executed data reconciliation using SQL to identify mismatches and anomalies across source and target systems
- Logged and tracked defects using **Jira**, collaborating closely with development teams for timely resolution
- Supported coordination between **onsite and offshore teams**, ensuring seamless communication and delivery

Client: CSX | October 2024 – Present

- Planned and executed **ETL test strategies** for migration of data from Oracle DB, MySQL, and other sources to **Azure Data Factory**
- Validated **1M+ records** using advanced SQL queries and data comparison techniques
- Developed an **automated data validation framework in Databricks** to ensure data accuracy and integrity
- Designed a **Python-based automation framework** for employee data processing integrated with **CI/CD pipelines**
- Automated ETL and BI report test cases using **Microsoft Fabric**, significantly improving testing efficiency
- Conducted **count, null, duplicate, and data consistency checks** across multiple datasets.

KEY ACHIEVEMENTS

- Infosys Insta Award – Recognized for outstanding performance and timely delivery of project milestones.
- Successfully supported **end-to-end cloud data migrations** while maintaining high data quality standards
- Improved regression testing efficiency through **automation frameworks** in Databricks and Python by using Pyspark

EDUCATION

M.Sc. Nano Technology (Integrated–5 Years) [Acharya Nagarjuna University], [Guntur], [2019]

Intermediate (MPC) [Sarada Junior College], [Vijayawada], [2014]
