

PRASHANT ALUR

ETL TEST LEAD

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Professional Summary

Detail-oriented and results-driven ETL Test Lead with over 3 years of hands-on experience in data validation, test automation, and quality assurance in enterprise data systems. Adept in developing robust ETL testing performing data quality checks, and ensuring seamless data transformation across platforms. Proficient in Python, SQL, Unix, and Snowflake, with a strong focus on automating testing processes to reduce manual effort and improve accuracy. Recently leveraged artificial intelligence and machine learning techniques to enhance anomaly detection and predictive data quality analysis. Known for strong analytical skills, effective collaboration, and a passion for driving process improvements that align with business outcomes. A fast learner with a proactive mindset, I thrive in dynamic environments and am always eager to explore new technologies to stay ahead in the data engineering and test automation space.

Professional Experience

Tata Consultancy Services (TCS) | Bangalore, India



Lead Test Analyst (Tech Lead – 2) | Jul 2022 – Present

- Spearhead end-to-end testing efforts for enterprise ETL solutions, overseeing test design, planning, and execution in agile environments.
- Led the successful automation of over 75% of manual ETL test cases using Python and Unix shell scripting, reducing test cycle time by 40%.
- Integrated AI-driven testing tools to detect data inconsistencies and automate test data generation, boosting overall data quality by 30%.
- Designed robust validation strategies for Snowflake-based data pipelines, enhancing performance and query optimization.
- Conducted regression, smoke, and UAT testing across multiple business-critical data workflows; ensured seamless data pipeline execution.
- Collaborated cross-functionally with data engineers, analysts, and DevOps teams to resolve critical production issues swiftly.

ETL Analyst (System Engineer) | Jul 2021 – Jul 2022

- Developed comprehensive ETL test plans covering data extraction, transformation, and loading logic across various data sources.
 - Wrote and optimized complex SQL queries for data validation, resulting in a 25% improvement in issue detection.
 - Managed defect lifecycle using tools like JIRA, ensuring accurate tracking and resolution in a timely manner.
 - Performed root cause analysis on data mismatches and partnered with developers to implement durable fixes.
 - Supported transition of data processes to cloud platforms and ensured quality benchmarks were met during migration.
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Education

 **Bachelor of Engineering in Electronics and Communication**
 SKSVMACET, Laxmeshwar, Gadag | **2020**

Technical Skills



- **ETL Testing:** Test planning, case design, execution, reconciliation, root cause analysis
 - **Programming & Scripting:** Python, Unix Shell Scripting
 - **Databases:** SQL (Advanced), Snowflake, PostgreSQL, Hive
 - **Data Quality & AI Tools:** Automated validation, Leveraging AI to Automate the ETL testing Process (GitHub Copilot)
 - **Defect Tracking Tools:** JIRA
 - **Cloud & Data Platforms:** Snowflake, AWS (basic exposure), Data Warehousing Concepts
 - **Frameworks & Methodologies:** Agile, Scrum, CI/CD integration for test automation
 - **Soft Skills:** Leadership Qualities, Stakeholder management, Quick learner (Excited to explore new Tech/Tools), Adaptive, Critical thinking
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Languages

 **English | Hindi | Kannada**

Declaration

I hereby declare that the above-furnished information is true to the best of my knowledge and belief.

 **Place:** Bangalore
 **Yours faithfully,**
Prashant Alur