

D. Sai Siddartha Reddy

SENIOR SOFTWARE ENGINEER

PROFESSIONAL SUMMARY

Self-driven software engineer with 4.0 years of experience across data engineering, automation, and AI- assisted testing. Proven track record in delivering scalable, automated, and production-grade solutions using Snowflake, Oracle SQL, Python, Airflow, Power BI, and Gen-AI tools. Known for independent problem- solving, rapid prototyping, and a strong bias toward automation and towards computer and tech. Currently pursuing B.Sc. in CS from BITS Pilani (WILP).

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EDUCATION

BITS Pilani (WILP) — B.Sc. in Designing and Computing | 2023 – 2027 (Ongoing)

Meluha International School — 12th (CBSE, MPC), GPA: 8.4

The Athena School — 10th, GPA: 8.0

PROJECTS

Campbell Soup Company – QA Automation, AI Integration, TestOps

Tech Stack: Python, Azure DevOps, Excel, HP ALM, Generative AI, Prompt Engineering, Agile, Reltio MDM

- Designed comprehensive test case suites in Azure DevOps (ADO), aligned with user stories, achieving over 95% validation accuracy.
- Built a Python automation pipeline that parses ADO Excel exports and converts them into HP ALM- compatible formats (via Excel macros & openpyxl).
- Integrated REST APIs (ADO to ALM sync logic planned) for dynamic report flow.
- Leveraged a Generative AI VITA for test case generation from plain-text user stories created from the scenarios
- Improved testing throughput by 30%, while reducing repetitive effort.
- Participated in daily sprint planning & client review calls, refining workflows through iterative QA feedback.

NetApp – Cloud Data Warehouse Migration & Automation

Tech Stack: Snowflake, Oracle SQL, Apache Airflow, Python

- Led data migration from Oracle SQL DB to Snowflake DB
- Created and monitored parameterized Airflow DAGs using Python to orchestrate ETL workflows, ensuring robust retries, logging, and SLA adherence.
- Built Python scripts to automate reconciliation between source and Snowflake tables and to generate dynamic SQL queries based on metadata
- Implemented partition pruning, and cost-efficient Snowflake warehouse tuning for faster query performance.
- Enhanced monitoring using Airflow's TaskInstance logs, with fallback alerting via email/SMS

Asana Managed Services – L1.5 DataOps Support & Monitoring

Tech Stack: Snowflake, BI, Salesforce, Apache Airflow, Excel, PagerDuty, Slack, Snaplogic, Asana

- Acted as frontline SME for incident management and service requests across Asana dashboard, and Salesforce integrations and other mentioned tools.
- Monitored and analyzed DAG execution in Airflow; troubleshoot common issues using log analysis, and triggered reruns.
- Used Excel trackers for incident classification, and logging the incidents and service requests by the user
- Reduced TTR (time-to-resolve) by escalating high-priority incidents with pre-debugged payloads and logs, decreasing L2 workload.
- Wrote diagnostics for Snowflake sync failures; flagged semi-structured data issues (JSON/XML) and helped patch broken pipelines.
- Used PagerDuty escalation policies, tracked root causes, and improved team documentation processes.

SKILLS

Languages: Python, Java Full Stack and Spring boot

Databases: Snowflake, Oracle SQL

Frameworks/Tools: Apache Airflow, Azure DevOps, Power BI, Salesforce

Automation: Excel macros, Python scripting, Data pipeline orchestration

Cloud/Infra: AWS (basic), Git, PagerDuty, REST APIs

Others: Prompt Engineering (Gen AI), Test Case Management, Reltio's MDM Testing

Intangible: Communication Skills, Problem Solving, Team Player, Computer Skills

PERSONAL PROJECTS

- **Excel to HP ALM Converter:** Built a Python tool to convert ADO test case templates to HP ALM-compatible Excel format, Which not only helped in saving time but also 100% accurate results.

CERTIFICATIONS

- Certified in Java Programming
- Certified in Generative AI
- Pursuing Full Stack Development & Ethical Hacking

INTERESTS

- Prompt Engineering, Getting to know AI more and get more out of it.
- Tech Gadgets and surfing through the internet for latest tech and software.
- Occasional maintaining of my Youtube channel and uploading gaming content.
- Cars & Motorcycles