[Priya Bharathi QA Automation Engineering](mailto:aparveen42@gmail.com)

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**PROFESSIONAL SUMMARY**

To obtain challenging work with a company that offers me a consistently positive atmosphere to learn new technologies and to use my knowledge for the betterment and development of the organization and the customers

**Technical skills**

Programming languages: **Python** (Pandas, NumPy), **SQL**, **Selenium**

Databases: Microsoft SQL Server, Oracle 10g, Snowflake

ETL Tools: **Informatica** Power Center 9, DataStage, Autosys

Frameworks: **Pytest**, BDD

API tools: **Postman**, Swagger UI

Cloud Technologies: **GCP (**Google Big query**,** Apache airflow)

Analytical Tools: Tableau Desktop

Software’s: **Rally**, **PyCharm**, JIRA, **Putty**, **Jenkins**, TIBCO**, GIT**

Operating Systems: Windows, Linux

**WORK EXPERIENCE**

**Molina Healthcare, AR**  **Oct 2023 – Till now**

**Role: QA Engineering**

**Industry: Heath care**

* create test scenarios, test cases, execute test cases and exceptionally document the process to perform functional testing of the application.
* Identified, formulated, and documented detailed business rules and Use Cases based on requirements analysis.
* Create and manage DAGs in Apache Airflow using Python, Bash operator, including task dependencies, scheduling, and monitoring.
* Develop Continuous Integration/Continuous Deployment (CI/CD) with Google Cloud Build and container registry.
* Performed data testing from the source GCS bucket, transform and load to Big Query datasets and load the processed files into target.
* Oversaw and tested raw data files of various formats and delimiters for processing like csv, txt, parquet etc.
* Develop pytest automation script to validate the data (count, comparison) between the GCS storage and Google BigQuery.
* Prepare status reports and other operation related documents for software maintenance.

**Infosys, Hartford, CT Dec 2022- Aug 2023**

**Role: ETL QA Engineering**

**Industry: Travel**

**GitHub URL:** <https://github.com/priya24it/automation>

* Assessed and analyzed user stories in **Agile** and participated in **Sprint planning**, Review Sessions & Scrum Meetings and developed **Test scenarios,** **Test cases**, **Test data**, and Test reports.
* Loading the data from the **AWS S3 bucket,** **Datahub,** and **HDFS file system** into the Test environment using the **Matillion** tool and comparing the data between the **text files** and **database tables.**
* Develop the automation framework from the **scratch** using Pytest framework for all the standard database scenarios. (**Count** check, **minus** validation, **duplicate** at a **primary key** **level**, **duplicates** at **table** **level**, verifying the **categorical** and **non-key columns**)
* Good at writing PL\SQL queries and validating the **ETL transformations** (**Filter**, **Joins**, **Aggregate** functions, **Sorting**, **Split**) as per the Business Requirement document. (**BRS**)
* Identify the list of **Smoke**, and **Regression test cases** for each module and automate it using the **Pytest** **framework**.
* Testing the ETL data movement from **SQL data mart** to **Snowflake data mart** on an Incremental and full load basis.
* Verify the slowing changing dimension **SCD** type2 for all the policy-related tables. (**234** tables)
* Implanted the maximum test coverage and identified the **huge time differences** between the manual (**96** **hours**) and **automation** efforts. (**8 hours**)
* Validate the automation test results (**Pytest HTML Report**), and **log files** and find the root cause of the problem for failed test cases.
* Tuned **ETL jobs**/**procedures**/scripts, SQL queries, and PL/SQL procedures to improve the system’s performance.
* Used **GIT** as a source repository system to share code within the office as well as with the team offshore.
* Identified and documented product risks and project risks, and the severity and impact of those risks.
* Used the **Beautiful Soup library** to extract desired data from a given URL in an automated way.
* Involved in **daily stand up**, and **weekly status meetings** and update the status and discuss any issues (or) blockers.

**Sonata Software, Hyd, IND April 2013 – Aug 2018**

**Role: QA Analyst**

**Industry: Travel**

* + Worked independently in the development, testing, implementation, and maintenance of data processes of moderate-to-large size and complexity.
  + Worked with users & business analysts to understand requirements.
  + Involved in Functional, Integration, System, Regression, End to End, Load, Volume, and User Acceptance Testing.
  + Validated reports based on Functional Requirements (Workstation).
  + Analyzing the mappings, running the Jobs/Workflows, and monitoring the status of it.
  + Working as a white box tester to identify the problems with respect to data.
  + Developed **SQL queries /scripts to** validate the data such as checking duplicates, and null values and ensuring correct data aggregations (calculations) within the ETL Testing Cycle.
  + Verification of data flow from Upstream to Downstream layers without any data loss.
  + Involved in writing the automation scripts for Reporting Tool.
  + Performed data validation testing writing SQL queries. Tested ETL batch processes using **UNIX shell scripting.**

**EDUCATION**

**Bachelor of Technology, Information Technology** from Sreenidhi Institute of Science and Technology.