Saha, Somnath

Role: Senior Test Engineer

Specialization: Selenium Automation and Data Testing

Location: Remote, India

SUMMARY

I am a passionate IT professional with 10 years of experience across Data Engineering, Data testing and UI Automation testing role. I began my career as a QA Automation Engineer, gaining strong expertise in **Automation Testing (Selenium WebDriver), Cucumber BDD** as well as manual testing. Over the past 3 years, I have specialized in data-focused roles — **Data QA Engineer** with hands-on experience testing Azure-based data pipelines using **Azure Data Factory, Azure Data Lake, and Azure SQL**. Proficient in SQL, data validation, reconciliation, and automation of data quality checks.

SKILLS

Tools and Technologies
- **Cloud & Data Platforms**: Microsoft Azure, Azure Data Factory (ADF), Azure Data Lake (ADLS Gen2), Azure SQL Database
- **Data Testing & Validation**: Data reconciliation, source-to-target validation, data completeness & accuracy checks, schema validation
- **Databases & Querying**: SQL (Complex joins, CTEs, window functions, data comparison queries)
- **Automation Testing**: Selenium WebDriver, Cucumber (BDD), TestNG
- **Programming & Scripting**: Java, SQL
- **Data Processing**: PySpark, Databricks
- **Testing Types**: Data Quality Testing, ETL Testing, Regression Testing, Smoke Testing, UAT Support
- **Version Control & CI/CD**: Git, Azure DevOps
- **Defect & Test Management**: JIRA
- **Methodologies:** Agile / Scrum

CERTIFICATES

Jun 2025   **Databricks Fundamental Accreditation,** Databricks Academy

WORK EXPERIENCE

Luxoft

Oct 2022 – Present, Data QA Engineer
Worked on a retail client's Azure-based platform, designed to ingest, process, and analyze transactional, customer, and product data from multiple source systems to support reporting, analytics, and business decision-making.

Customer: Ahold Delhaize

Responsibilities:
- Validated data transformations and data quality across multiple stages of Azure-based data pipelines using Azure Data Factory, Azure Data Lake, and SQL.
- Collaborated with Product Owners and Business Analysts to understand requirements, data flows, and business rules
- Designed and executed test cases based on functional and data requirements, documenting results and maintaining requirements traceability

- Identified, logged, and tracked defects; worked closely with development teams for root cause analysis and resolution.
- Supported UAT and regression testing to ensure data accuracy after enhancements and fixes

Technology and Skills:
Azure databricks, ADF,GitHub, Microsoft Azure Data Factory/SSIS, PySpark, SQL

Virtusa Ltd

Nov 2020 – Jun 2022, Senior consultant
Bangalore

Worked as QA Automation Lead with 3 member QA team.It was a Banking application which needed to automate for the quick test execution.

Customer: Standard Chartard Bank

Responsibilities:
As a Automation lead I was responsible for maintaining the Test Framework and update it as per requirement. It was a Selenium BDD with JAVA framework. Creating Test scripts and execution was my day to day activity.Optimise the test script for betting time complexity was the main objective as the scripts were large.

Technology and Skills:
BDD (Behavior Driven Development), Java 8, Selenium WebDriver

Mindtree Ltd

Mar 2015 – Sept 2020, Senior Test Engineer
Bangalore

Worked with Multiple project with multiple client domain like - LINK from Australia(Finance domain), Equifax for Insurance domain and Marriott in Hospitality domain. All the projects had UI based testing with automation. Mostly it was Black box testing , Regresion and system testing.

Customer: LINK from Australia(Finance domain), Equifax for Insurance domain and Marriott in Hospitality domain

Responsibilities:
Executes test cases under varying circumstances, Document the test results.
Detects, logs, and reports the bug in JIRA or in similiar tool.Tracks defects and helps troubleshoot errors.
Reviews peer test scripts . Support GO LIVE activity

Technology and Skills:
Cucumber, Java, Selenium WebDriver, SOAP

LANGUAGES

Bengali – Proficient
English – Proficient
Hindi – Advanced

EDUCATION

2014   **West Bengal University of Technology**
B.Tech, Computer Science

TRAINING COURSES

Jul 2022   LUX-068 Respectful and Constructive Communication