

Somnath Saha

Senior Test Engineer | Automation & Data QA

Kolkata, India

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Professional Summary

Senior Test Engineer with 10+ years of experience across Manual, Automation, and Data Testing. Proven expertise in building and maintaining scalable Selenium automation frameworks and validating complex data pipelines on Azure using PySpark and SQL. Adept at Agile delivery, cross-functional collaboration, and ensuring high-quality, business-ready releases.

Core Competencies

- Test Automation (Selenium WebDriver, Java, TestNG, Cucumber/BDD)
 - Data Testing & Validation (Azure Data Factory, Databricks, ADLS, Spark SQL, PySpark)
 - Framework Design & Maintenance (Maven, Page Object Model)
 - ETL & Pipeline Validation (ingestion, transformation, historization)
 - Agile / Scrum, Defect Management, Requirement Analysis
 - CI/CD & Version Control (GitHub, Jenkins)
 - GenAI-enabled test acceleration and productivity (leveraged GenAI for faster test design, data validation assistance, and documentation support)
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Technical Skills

Programming: Java, PySpark, SQL

Automation: Selenium WebDriver, TestNG, Cucumber (BDD)

Data Platform: Azure Data Factory, Databricks, ADLS

Build & CI: Maven, Jenkins, GitHub

IDE: Eclipse, IntelliJ, Visual Studio Code

Defect Tracking: JIRA

Professional Experience

Luxoft — Senior Test Engineer

Jun 2022 – Present Project: Ahold Delhaize (Europe) — Azure Data Platform

Role: Senior Data QA Engineer | Team Size: 15

- Validated large-scale Azure data pipelines across ingestion, staging, and curated layers using ADF, ADLS, Databricks, and SQL.
- Designed and executed comprehensive data validation test cases with end-to-end traceability to mapping documents and business rules.
- Performed historized and incremental load validation for transactional, customer, and product data.
- Drove root cause analysis with Data Engineers and Product Owners; tracked and closed defects through JIRA.
- Supported Agile ceremonies and contributed to acceptance criteria alignment and release readiness.

Key Contributions: - Improved defect traceability and test coverage through structured test design and reusable validation scripts. - Strengthened data quality controls for analytics and reporting use cases.

Virtusa Consulting Ltd — Senior Consultant

Nov 2020 – Jun 2022

- Performed UI automation using Java Selenium in BDD framework along with functional manual testing.
- Participated in requirement analysis, test design, execution, regression testing, and defect triage.
- Collaborated with Product Owner and Scrum team; provided daily status updates and sprint deliverables.

Key Contributions: - Enhanced automation reliability and reduced manual effort across regression suites.

Mindtree Ltd — Senior Engineer

Mar 2015 – Sep 2020

(Clients: Link AUS, Equifax, Marriott US)

- Prepared and executed test cases across multiple project environments.

- Documented test results, logged and tracked defects in JIRA, and supported Go-Live testing activities.
 - Performed peer review of test scripts to improve quality and consistency.
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Education

B.Tech (Computer Science & Engineering)
West Bengal University of Technology — 2014

Additional Information

Languages: English, Bengali, Hindi
Agile Ways of Working | Cross-functional Collaboration | Stakeholder Communication