

Souvik Ghosh

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PROFESSIONAL SUMMARY

Automation QA Engineer with over 3 years of experience in designing and developing scalable test automation frameworks for enterprise applications. Experienced in Selenium, Playwright, Java, REST Assured, Cucumber, TestNG, Salesforce, and CI/CD pipelines. Proven track record of building automation frameworks from scratch, reducing regression execution time by over 50%, and improving release quality for large-scale enterprise clients. Passionate about software quality, test architecture, and continuous improvement.

TECHNICAL SKILLS

Programming: Java, JavaScript, TypeScript, SQL **UI Automation:** Selenium WebDriver, Playwright **API Automation:** REST Assured, REST APIs, SOAP (WSDL), GraphQL **Frameworks:** TestNG, Cucumber, JUnit **CI/CD:** Jenkins, GitHub Actions, Maven **Databases:** MySQL, MongoDB **Tools:** Postman, JMeter, Docker, Podman, Git, GitHub, Salesforce **Methodologies:** Agile Scrum, SDLC, STLC, Test Strategy, Regression Testing, API Testing, Cross Browser Testing

PROFESSIONAL EXPERIENCE

IBM Consulting

SDET - FullStack Automation | April 2023 – Present

Johnson & Johnson (Salesforce Experience Cloud & Health Cloud)

- Led the migration of the UI automation framework from Selenium to Playwright, improving execution speed, stability, and maintainability.
- Automated **250+ end-to-end test cases** covering Salesforce Experience Cloud and Health Cloud workflows.
- Developed reusable Salesforce automation utilities including **SOQL** and **SOSL** helpers, authentication modules, synchronization libraries, and reporting components.
- Built internal engineering tools and Python utilities for referential integrity validation, execution summary generation, custom Microsoft Word report generation, and automation workflow improvements.
- Contributed to **Lightning Web Components (LWC)** development by implementing bug fixes and supporting feature enhancements.
- Integrated automated regression suites into Jenkins and GitHub Actions CI/CD pipelines.
- Collaborated with software engineers, product owners, and business analysts to deliver high-quality enterprise releases.

AT&T Business (Spring Boot Microservices)

- Automated **100+ production defect fixes and regression scenarios** across enterprise telecom microservices.
- Designed automation for **REST**, **SOAP (WSDL)**, and **GraphQL** APIs using Java, TestNG, and REST Assured.
- Built reusable API automation libraries, internal engineering tools, and common utilities to accelerate automation development and improve framework maintainability.
- Configured and maintained Jenkins CI/CD pipelines for non-production environments.
- Assisted in migrating Spring Boot microservices to newer **Java** and **MongoDB** versions while validating compatibility and application stability.
- Executed and validated scheduled batch jobs supporting downstream business workflows.
- Investigated production issues using **Linux** environments and **Kubernetes** logs, collaborating with developers on root cause analysis.

Artificial Brix (now Dilsay Care)

Founding Member — Full Stack & Product | November 2021 – June 2022

- Joined as a founding member of an early-stage healthtech startup, now operating as **Dilsay Care** — a mental health and wellness platform.
- Led a small cross-functional team, coordinating engineering, design, and content workstreams in a zero-to-one startup environment.
- Engaged directly with clients and early users to gather requirements, present product demos, and iterate on features based on feedback.

PROJECTS

AI Powered Playwright Automation using IBM BOB - Client POC

- Designed and implemented an AI assisted Playwright automation solution integrated with IBM BOB through the Model Context Protocol (MCP).
- Implemented self healing capabilities to automatically recover from locator changes, improving test suite stability and reducing maintenance.
- Leveraged AI assisted code generation while maintaining human validation and review for enterprise quality standards.

TestResultMaker

- Developed a desktop application to generate professional QA execution reports.
- Automated document generation for manual testing teams, significantly reducing reporting effort.
- Designed an intuitive interface for efficient report creation.

GitHub: <https://github.com/xandersavvy/TestResultMaker>

CERTIFICATIONS

- ISTQB Certified Tester Foundation Level (CTFL)
- IBM Automation Intermediate
- IBM Business Operations (BOB) Intermediate

ACHIEVEMENTS

- IBM Growth Award
- IBM Successful Deal Signing Award

EDUCATION

B.Tech in Electronics & Instrumentation Engineering Narula Institute of Technology Graduated: 2022