

Sohail Ahmed Mohammed

Playwright Automation Engineer | SDET | QA Automation Specialist

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Professional Summary

Qualified **QA Automation Engineer** having **5 years of experience** in **Playwright automation** and **BDD frameworks** and **API testing** in **enterprise** and **microservice systems**. **JavaScript/TypeScript, Python** knowledge and knowledge in the **design** of **scalable test automation systems** with **Playwright** and **Cucumber (BDD with Gherkin)**. **End-to-end system testing** experience, **API validation** and **integration testing**, exposure to provisioning workflows and user onboarding systems and distributed platforms. Experienced in collaborating in cross-functional teams to **develop quality software** in **Agile environments**.

Technical Skills

- **Automation & Frameworks:** Playwright, Selenium, Cypress, TestNG, JUnit, PyTest, Cucumber (BDD), Gherkin
- **Programming Languages:** JavaScript, TypeScript, Python, Java, SQL
- **BDD & Testing Practices:** Behavior-Driven Development (BDD), Gherkin Syntax, Feature Files, Step Definitions, Test Framework Design
- **API Testing:** Postman, REST Assured, REST APIs, SOAP APIs, JSON/XML Validation, API Automation
- **CI/CD & DevOps:** Jenkins, GitHub Actions, Docker, Maven, CI/CD Pipelines
- **Data & Databases:** MySQL, PostgreSQL, MS SQL Server, Data Validation, ETL Testing
- **Tools & Platforms:** JIRA, Xray, Microfocus ALM, Git, Linux, Windows
- **Performance & Accessibility Testing:** k6, JMeter, AXE Dev Tools

Work Experience

Zensurance

Toronto, Ontario, Canada

QA Automation Engineer (Playwright & BDD)

Feb 2025 – Present

Role Summary: Head of **QA automation** by building frameworks (**Playwright** based) with **BDD (Cucumber + Gherkin)** to **design scalable frameworks** to **test end-to-end systems**, **API integration testing**, and **workflow automation** in **distributed systems**.

- **Design**, and **implemented** a **Playwright automation system** in **TypeScript**, allowing **scalable UI** and **cross-browser testing**.
- Composed **BDD test scenarios** with **Cucumber syntax** and **Gherkin syntax**, both feature files and step definitions that are reused.
- Distributed services user onboarding, validation, and provisioning-like system processes are automated end-to-end.
- Conducted **API testing** with **Postman** and **auto validation script**, which provides a smooth integration of the backend systems.

Railz

Vancouver, British Columbia, Canada

Software Test Engineer (SDET – API & Automation)

May 2024 – Dec 2024

Role Summary: I was working in a **micro services-based fintech setup** where I did **API automation** and **integration testing** and **backend validation** where I saw workflow-based systems (like provisioning and onboarding pipelines).

- Created and sustained **automated test scripts** of **microservices** in **JavaScript** and **Python**, with a special emphasis on **API** and **backend validation**.
- Performed **API testing** with **Postman** and **REST Assured**, performing validation of **financial data pipelines** and **third-party integrations**.
- Created **BDD-style test scenarios**, and **organized test cases**, enhancing **test coverage** and requirements.
- Provisioning **pipelines** like ingesting **validated data**, transformation, and system workflows.

Infosys

Hyderabad, Telangana, India

QA Test Analyst | SDET

Nov 2020 – Jun 2023

Role Summary: Provided **end-to-end QA** to **enterprise financial systems** through the combination of **automation testing**, **API validation** and **system-level testing**, **data integrity** and **high-quality release**.

- **Developed** and **implemented automated test code** on **enterprise applications** that **cut regression test time** by **30%**.
- Conducted **end-to-end system testing**, tested **workflows** and **business logic**.

- Performed **API testing** and **backend validation**, which guaranteed the consistency of data between systems.
- Created **reusable test utilities** and input to **automation framework improvements**.

Gleam Technologies

Hyderabad, Telangana, India

Full Stack Developer & QA Intern

Jun 2019 – Dec 2019

Role Summary: Contributed to **full-stack development** and **QA** by **designing** and **validating application workflows**, including **authentication systems**, **user roles**, and **process validation similar to provisioning systems**.

- **Design** and **execution** of **manual** and **automated test cases** of **web applications**, to **guarantee functional correctness**.
- Authorization systems, role-based authentication and workflow.
- Developed backend logic and database schemas, ensuring **data integrity across applications**.
- Identified and reported UI and functional defects with clear reproduction steps.

Additional Work Experience

Wilfrid Laurier University

Waterloo, Ontario, Canada

Instructor & Technical Facilitator

Sep 2023 – Apr 2025

- Assisted students in **Python programming**, **Linux systems administration**, and **CI/CD pipeline automation**.
- Gave recommendations on test automation plans, software reliability and construct optimization.

Hyperskill

Remote

Moderator & Tutor, Freelancer

Sep 2020 – Apr 2022

- Influx of basic and advanced programming concepts, and emphasis on the real world application and the automation testing in specific.
- Had to conduct individual meetings as well as assist in writing, debugging, and creating automated test code in Java and Python.

Education

Wilfrid Laurier University

Waterloo, Ontario, Canada

Major: Master of Applied Computing (Computer Science)

Sep 2023 – Dec 2024

GPA: 3.75/4.0 | **Academic Honors:** Dean's List (2 semesters) | **Course Work:** Software Automation, CI/CD Pipelines, Infrastructure as Code, Linux Administration, Cloud Computing

Osmania University

Hyderabad, Telangana, India

Major: Bachelor of Engineering (Computer Science & Engineering)

Jul 2016 – Sep 2020

GPA: 7.93/10.0 | **Academic Honors:** Research Assistant | **Course Work:** C/C++, Java, Python, Networking, Artificial Intelligence, Data Structures, Web Development, Android Application Development

Certifications

ISTQB Certified Tester - Foundation Level (CTFL) | **ISTQB Advanced Test Automation Engineer (CT-TAE)** | **Playwright Automation with TypeScript** | **Cucumber BDD & Gherkin Framework** | **REST Assured API Testing** | **Selenium WebDriver Automation**

Projects

Playwright Automation Framework with BDD | Playwright, TypeScript, Cucumber, Gherkin, Node.js

Role Summary: **Built** and **deployed** a scalable **Playwright + TypeScript automation platform** based on **Cucumber BDD**, to facilitate **end-to-end workflow testing** of both the **UI** and **API**.

- Created a **Playwright automation system** that did **cross-browser UI testing**.
- Developed **BDD** implementation with **Cucumber** and **Gherkin** feature files and step definitions.
- **Native API** and **UI testing** to support full **end-to-end testing**.
- Installed **reusable fixtures**, **hooks**, and **parallel execution of tests**.

Additional Information

- Extensive experience in **automation**, **test execution**, and **build infrastructure optimization**.
- **Good problem-solving capacity** and **troubleshooting** of complicated **CI/CD** and **test automation problems**.
- Obsessive with the idea of enhancing **software reliability** via **automation** and optimization of infrastructure.
- Eligible to **work full-time in Canada (Remote or Hybrid)**.