

Inderpreet Singh Parmar

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TECHNICAL SKILLS

QA & Automation: Selenium WebDriver, Playwright, Python, pytest, Java, Cucumber (BDD), Page Object Model (POM), Data-Driven Testing, Regression Testing, Performance Testing, Cross-Browser Testing, Test Planning
API & Databases: Postman, REST API Testing, Python requests, Schema Validation, SQL (Oracle, PostgreSQL), RESTful APIs, JSON/XML Validation
Tools & Delivery: Git, GitHub Actions, GitHub Pages, Locust, CI/CD Pipelines, Agile/Scrum, JIRA, Zephyr, pytest-html, Root Cause Analysis

EXPERIENCE

Quality Assurance Specialist

May 2024 – Aug. 2024

Seneca Polytechnic

North York, ON

- Developed and maintained Selenium WebDriver automation suites in Java, reducing manual regression effort by 80% across enterprise workflows and custom modules
- Performed backend validation and data integrity checks using Oracle SQL, ensuring accurate workflow processing and system stability during PUM upgrades
- Facilitated Shift-Left testing within Agile Scrum ceremonies, collaborating with BAs and developers to identify quality risks early and validate acceptance criteria
- Tracked defects, test execution, and traceability artifacts in JIRA and Zephyr, ensuring 100% requirement traceability and comprehensive test coverage

Quality Assurance Engineer – Web Application

Sep 2024 – Dec. 2024

ImmigrateX – CredWise

Remote – Edmonton, AB

- Designed and executed functional, regression, and negative test cases for a responsive web application, validating document checks, error handling, and user input flows
- Performed backend validation to verify data accuracy, system availability, and reliability of document processing components
- Collaborated with developers to identify defects, debug root causes, and improve test coverage for production-ready releases

Information Technology Support Specialist

Sep 2024 – Dec. 2025

Seneca Polytechnic

North York, ON

- Applied root cause analysis to diagnose recurring software failures, reducing classroom downtime by 20%; maintained incident documentation and quality checklists for SLA adherence

PROJECTS

ShopSafe – E-Commerce QA Automation Suite | *Python, Selenium, pytest, GitHub Actions* | [GitHub](#)

- Architected a production-grade POM framework with DDT, executing 36 test cases across 5 modules (login, inventory, cart, checkout, E2E) using external JSON test data
- Integrated GitHub Actions CI pipeline with Chrome and Firefox parallel matrix, pytest-html reports, and automatic failure screenshot capture on every push

REST API Test Suite – Reqres.in | *Python, requests, pytest, Postman, GitHub Actions* | [GitHub](#)

- Built a 75-test REST API suite covering auth flows, schema validation, parametrized negative cases, and response time assertions; used session-scoped fixtures and config-driven constants to eliminate hardcoded values
- Designed a matching Postman collection with request chaining, environment variables, and JavaScript assertions; GitHub Actions CI generates downloadable HTML reports on every push

Selenium POM DDT Framework | *Python, Selenium, pytest, DDT, softest* | [GitHub](#)

- Built a POM framework with JSON-based data-driven testing, validating flight stop-count filters across 130+ result elements per test scenario on a live travel booking site
- Implemented soft assertions to verify all DOM elements before raising failures, enabling full defect visibility across all results in a single test run

EDUCATION

Seneca Polytechnic

Bachelor of Software Engineering

Toronto, ON

Jan. 2022 – Dec. 2025