Supratik Pal

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EDUCATION

TECHNO INTERNATIONAL NEW TOWN
(B.Tech) in Electronics and Communication Engineering.
DGPA: 8.14 / 10

BERHAMPORE J.N ACADEMY
Higher Secondary (Class XII)
Percentage: 77.14

BERHAMPORE J.N ACADEMY
Secondary (Class X))
Percentage: 77.7

TECHNICAL SKILLS

LANGUAGES
Java • Python • SQL • JavaScript • Typescript

AUTOMATION TOOLS
Selenium • Appium

TESTING FRAMEWORKS
TestNG • Cucumber • WebdriverIO

FRAMEWORK DESIGN
Page Object Model (POM) • BDD (Cucumber)

WEB & MEDIA TECHNOLOGIES
HTML • CSS • JSON • XML

API TESTING
Python (requests) • Postman • REST-assured

BUILD TOOLS
Maven • Gradle

CI/CD TOOLS
GitHub Actions, Jenkins (basic working knowledge)

VERSION CONTROL
Git • GitHub

PROJECT MANAGEMENT
JIRA

OBJECTIVE

Results-driven SDET specializing in API testing, Selenium with Java, and mobile automation across Android/iOS platforms. Proven expertise in building scalable BDD automation frameworks using Selenium, Appium, and WebdriverIO with strong proficiency in backend testing and Gradle build tool configuration. Skilled in end-to-end test automation spanning UI, API, and backend layers, with hands-on experience in REST Assured, TestNG, and CI/CD integration. Committed to delivering robust test solutions through Agile collaboration, continuous improvement, and scalable framework design.

PROFESSIONAL EXPERIENCE

Software Development Engineer in Test (SDET)
LambdaTest – Noida, India
April 2024 - Present

TEST AUTOMATION FRAMEWORK – JAVA, SELENIUM, APPIUM, TESTNG, CUCUMBER
- Implemented BDD scenarios using Cucumber to enhance collaboration between QA, developers, and product teams.
- Designed and maintained automation frameworks using Page Object Model (POM) for modular and reusable test design.
- Developed and maintained end-to-end automation test cases for both web and mobile applications (both native and hybrid Android/iOS apps) using Java with Selenium and Appium.
- Utilized TestNG features like data providers, parallel execution, and test groups to optimize test performance.
- Integrated test execution with CI/CD pipelines for seamless regression testing
- Contributed to API test automation using REST Assured for backend validation scenarios and extending existing coverage.

UI AUTOMATION FRAMEWORK – WEBDRIVERIO, TYPESCRIPT, CUCUMBER
- Built a scalable UI test automation framework using WebdriverIO with TypeScript and Cucumber (BDD).
- Enabled parallel execution and multi-browser testing to reduce total test cycle time.
- Handled dynamic web elements and synchronization issues using custom wait strategies.
- Developed a custom GitHub Actions workflow file to automatically run tests.

API AUTOMATION FRAMEWORK IN PYTHON
- Contributed to the enhancement and maintenance of an existing API automation framework built with Python and the Requests library.
- Developed automated test scripts for key API endpoints, including authentication, CRUD operations, and response validations.
- Improved framework utilities by adding support for token-based authentication and dynamic payload handling.

ACHIEVEMENTS
- LeetCode 50 Days Badge 2022
- 5* @HackerRank(Problem Solving)