

Piyush Patil

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Summary

Results-driven SDET with comprehensive experience in designing, developing, and implementing robust automation frameworks for web and API testing. Proficient in object-oriented programming (Python, JavaScript) with skills readily transferable to C# and Java. Expertise in Selenium, Postman, and CI/CD integration, with a strong foundation in building scalable test solutions from the ground up within Agile environments. Proven ability to reduce testing cycles and improve software quality through strategic automation.

Skills

Programming & Scripting: Python, JavaScript (Strong foundation for C# & Java), SQL, Bash

Test Automation Frameworks & Tools: Selenium, API Testing (Postman, Newman), Pytest (adaptable to TestNG), RestAssured (principles), Web & API Automation (foundational knowledge applicable to Appium)

CI/CD & Version Control: Jenkins, GitHub Actions, Git, Bitbucket

Methodologies & Other: Agile/Scrum, Test Strategy & Design, Framework Development, Defect Management, Root Cause Analysis, JIRA

Experience

Associate Consultant/Senior SDET, Capgemini

Feb 2023 – Jan 2024

Enterprise Application [Restaurant Retail Info Management]- Greenfield Project

- Designed and implemented a scalable, object-oriented UI test automation framework from scratch using Selenium and Python, reducing manual regression testing time by over 60%.
- Engineered a comprehensive API automation framework using Postman and Newman, achieving 95% test coverage for critical REST endpoints and ensuring API reliability.
- Integrated automated API and UI tests into the CI/CD pipeline using GitHub Actions, enabling automated regression checks on every deployment and significantly reducing manual intervention.
- Implemented a smoke-test-gated deployment strategy that automatically triggered rollbacks on failure, improving production stability and minimizing downtime.
- Conducted performance and load testing using Locust to identify and report key system bottlenecks, ensuring application scalability under high traffic.
- Collaborated closely with development and business teams in an Agile setting to define test strategies and ensure comprehensive quality coverage.

SDET, Capgemini

Aug 2021 – Jan 2023

Enterprise Application [Restaurant File Management]

- Played a key role in the quality assurance lifecycle within an Agile environment, executing both manual test cases for new features and developing automation scripts for regression.
- Refactored the existing automation codebase by implementing the Page Object Model (POM) and reusable utility functions, improving script maintainability and reducing code duplication by 30%.
- Managed bug identification and lifecycle in JIRA, creating detailed defect dashboards that provided key quality metrics to stakeholders for major releases.
- Mentored junior engineers on automation best practices, product features, and conducted peer code reviews to maintain high code quality standards.

SDET Trainee, Capgemini

Aug 2021 – Jan 2022

- Received intensive training in core QA principles including Python, Selenium, and Agile methodologies.
- Contributed to test planning, case design, and execution on a live client project, quickly applying learned automation concepts.

Education

SKN Sinhagad Institute of Technology and Science (Pune)

Pune, IN

Bachelors in Engineering in Mechanical Engineering

Aug 2016 – Sept 2020

CGPA - 8.33

Achievements

Certifications: PSM I - Scrum.org, Selenium Webdriver with PYTHON from Scratch + Frameworks

Awards: Certificate of Appreciation