Piyush Patil

Pune   piyushpatil617@gmail.com   099705 96397   piyush-patil917   KrispyEngineer

Summary

Results-driven SDET with 4+ years of experience designing, developing, and enhancing Python-based automation frameworks for microservices-based SaaS products deployed on AWS. Proven expertise in API (REST), UI (Selenium), and performance testing. Skilled in integrating comprehensive test suites into CI/CD pipelines to ensure product quality and accelerate release cycles in fast-paced Agile environments.

Skills

Technical: Python, JavaScript, Selenium, Playwright, REST API Testing (Postman, Newman, JSON), Pytest, Performance Testing (Locust), CI/CD (GitHub Actions, Jenkins), Cloud (AWS), Containers (Docker), OS (Linux), Monitoring (New Relic, familiar with ELK), Databases (SQL), Version Control (Git, GitHub, Bitbucket), Tools (Jira, Confluence)

Methodologies & Processes: Test Automation Framework Design, API & UI Testing, Performance & Scale Testing, System Level Testing, Test Planning & Strategy, Defect Lifecycle Management, Agile Methodologies, Code Review

Experience

Associate Consultant/Senior SDET, Capgemini   *Feb 2023 – Jan 2024*
Cloud-based SaaS platform for Restaurant Retail Information Management

- Owned the design and development of REST API test suites using Postman-Newman, validating complex JSON payloads and integrating into GitHub Actions CI/CD pipelines for automated execution on every code merge.
- Engineered a robust, Python-based UI automation framework using Selenium and Pytest, achieving 90% regression coverage for critical user workflows and reducing manual testing effort by 70%.
- Developed and executed system-level performance tests using Locust and Python, leveraging AWS and Docker for distributed load generation to simulate production-scale traffic.
- Improved release reliability by implementing automated MS Teams failure alerts and an API smoke-test–based deployment rollback mechanism, reducing post-deployment hotfixes by over 30%.
- Analyzed infrastructure metrics and logs using New Relic to debug performance issues, identifying and helping resolve bottlenecks that led to a 15% improvement in API response times.
- Collaborated in feature design meetings, designed comprehensive test plans, and created detailed test cases in Jira and Confluence to ensure full requirement coverage.

SDET, Capgemini   *Aug 2021 – Jan 2023*
Enterprise Application for Restaurant File Management

- Played a pivotal role in the successful migration from a monolithic legacy system to a microservices architecture, executing end-to-end validation to ensure functional parity and system integrity.
- Owned the defect lifecycle management process, using Jira to track bugs from identification through to resolution and verification, providing clear status reports to all stakeholders.
- Implemented reusable page objects and utility functions within the Selenium framework, improving automation script efficiency and maintainability by 30%.
- Conducted code reviews for automation and performance testing scripts written by team members, ensuring adherence to best practices and high-quality standards.
- Mentored new hires on product features, test automation fundamentals, and QA processes within an Agile sprint-based workflow.

SDET Trainee, Capgemini   *Aug 2021 – Jan 2022*

- Received intensive training in Python, Selenium, and Agile methodologies for modern QA automation.
- Contributed to a client project by assisting with test planning, test case design, documentation, and execution, quickly becoming a productive team member.

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 - Capgemini