

# Piyush Patil

📍 Pune    ✉️ piyushpatil617@gmail.com    ☎️ 099705 96397    💼 piyush-patil917    🤖 KrispyEngineer

## Summary

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Accomplished SDET with 4+ years of experience specializing in the design and development of scalable, Python-based test automation frameworks. Proven expertise in API, Web, and Performance testing using Pytest, Selenium, and Locust. Skilled in integrating robust testing suites into CI/CD pipelines (GitHub Actions, Jenkins concepts) to ensure software quality and accelerate release cycles. A collaborative team player with a strong grasp of Agile methodologies, SDLC, and STLC.

## Skills

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**Technical:** Python, Pytest, Selenium, Playwright, Locust (Performance Testing), API Testing (Postman, Newman), SQL, Git, GitHub Actions, Jenkins (concepts), JIRA, New Relic, Bash, JavaScript

**Other:** Test Methodologies (Agile, STLC, Bug Life Cycle), Test Strategy & Planning, Black Box Testing, API & Performance Testing, Test Management & Reporting, CI/CD & DevOps Practices, Requirement Analysis

## Experience

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**Associate Consultant/Senior SDET**, Capgemini

*Feb 2023 – Jan 2024*

Enterprise Application [Restaurant Retail Info Management] - Greenfield Project

- Architected a scalable Web UI automation framework from the ground up using Python, Selenium, and Pytest, achieving 95% regression test coverage and reducing manual testing efforts by 70%.
- Developed and maintained a comprehensive REST API test suite using Postman and Newman, fully integrated into the GitHub Actions CI/CD pipeline for automated validation on every code merge.
- Enhanced CI/CD pipeline reliability by implementing automated test report generation, artifact publishing, and MS Teams failure notifications, providing immediate quality feedback to the development team.
- Led performance testing initiatives using Locust with Python, simulating user loads from distributed AWS nodes to identify and resolve critical performance bottlenecks, improving API response times by 20%.
- Utilized New Relic for application performance monitoring, analyzing system metrics to provide actionable insights on infrastructure stability and response times to stakeholders.
- Collaborated closely with developers and product managers in an Agile environment to define test strategies, review requirements, and ensure comprehensive test coverage for new features.

**SDET**, Capgemini

*Aug 2021 – Jan 2023*

Enterprise Application [Restaurant File Management]

- Authored detailed test plans and test strategies for high-impact features, adhering to STLC best practices within a fast-paced Agile workflow.
- Managed the end-to-end bug life cycle using JIRA, creating detailed defect reports and quality metrics dashboards that informed release readiness decisions.
- Improved automation script efficiency by 30% by refactoring the codebase to implement reusable page objects, generic locators, and shared utility functions.
- Mentored junior engineers on test automation fundamentals and best practices, conducting peer code reviews for Python automation scripts to ensure high code quality.
- Played a key role in executing end-to-end validation for a critical migration from a legacy system to a modern microservices architecture.

**SDET Trainee**, Capgemini

*Aug 2021 – Jan 2022*

- Completed intensive training in Python, Selenium, and BDD principles with Cucumber, applying knowledge to live client projects.
- Contributed to project success through active participation in test planning, test case design, documentation, and execution.

## Education

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**SKN Sinhad Institute of Technology and Science (Pune)**

*Pune, IN*

Bachelors in Engineering in Mechanical Engineering

*Aug 2016 – Sept 2020*

CGPA - 8.33

## Achievements

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

**Awards:** Certificate of Appreciation