

# Piyush Patil

📍 Pune 📩 piyushpatil617@gmail.com ☎ 099705 96397 💼 piyush-patil917 💬 KrispyEngineer

## Summary

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Results-driven Python Test Automation Engineer with 4+ years of experience designing and implementing robust automation frameworks. Deep expertise in Python, Pytest, and Selenium for comprehensive UI and API testing. Proven ability in integrating automated tests into CI/CD pipelines to accelerate release cycles. Specializes in performance testing with Python-based tools and is highly adaptable to new frameworks like Robot Framework based on a strong foundation in automation principles.

## Skills

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**Technical:** Python, Pytest, PyCharm, Selenium, Robot Framework (Adaptable), API Testing (Postman, Newman), Locust, CI/CD (GitHub Actions, Jenkins), Git, SQL, JavaScript, Bash, Playwright, New Relic, JIRA

**Other:** Test Strategy & Planning, API & Performance Testing, Test Framework Architecture, Defect Lifecycle Management, Agile/Scrum Methodologies, Version Control (Git)

## Experience

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### Associate Consultant/Senior SDET, Capgemini

Feb 2023 – Jan 2024

Enterprise Application [Restaurant Retail Info Management]- Greenfield Project

- Developed and maintained a comprehensive UI test automation framework from scratch using Python, Pytest, and Selenium, resulting in a 70% reduction in manual regression testing effort.
- Engineered a scalable REST API automation framework using Python and Postman-Newman, achieving 95% test coverage for critical endpoints and integrating it into the GitHub Actions CI/CD pipeline.
- Increased release stability by 40% by implementing a CI/CD-integrated smoke suite with automated MS Teams failure alerts and a deployment rollback mechanism, preventing critical bugs from reaching production.
- Conducted large-scale performance tests using a distributed load generation setup on AWS with Locust and Python, identifying and helping resolve 5 critical performance bottlenecks before production release.
- Monitored infrastructure metrics using New Relic and analyzed response times to report performance insights and bottlenecks to stakeholders.

### SDET, Capgemini

Aug 2021 – Jan 2023

Enterprise Application [Restaurant File Management]

- Owned the end-to-end testing lifecycle in an Agile environment, from test planning and strategy design to defect management in JIRA, ensuring 100% test coverage for new features each sprint.
- Refactored the existing Python-based Pytest framework by implementing the Page Object Model (POM) and creating reusable utility functions, which improved script maintainability and reduced test creation time by 30%.
- Mentored junior SDETs on Python automation best practices and conducted rigorous code reviews, improving team-wide code quality and framework consistency.
- Played a key role in validating a complex data migration from a legacy system to a new microservices architecture, ensuring data integrity and zero downtime.

### SDET Trainee, Capgemini

Aug 2021 – Jan 2022

- Completed intensive training focused on Python-based test automation, including hands-on projects with Selenium, Pytest principles, and Agile methodologies.
- Contributed to client project in test planning, case design, documentation, and execution.

## Education

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### SKN Sinhagad 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