

# Mukul Dev Mahato

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## Profile

### Test Automation | CI/CD | API Testing | Cloud | Agile | DevOps

Software Development Engineer in Test (SDET) with 3 years of experience in building scalable test automation frameworks, integrating tests into CI/CD pipelines, and enhancing software reliability through DevOps practices. Skilled in test automation, API testing, cloud technologies, and Agile methodologies.

## Skills & Technologies

- **Test Automation:** Selenium, Playwright, Cucumber, TestNG
- **API Testing:** REST Assured, Postman, REST API, API Mocking
- **Mobile Testing:** Appium, Perfecto
- **CI/CD & DevOps:** Jenkins, Docker, Git, Azure DevOps
- **Cloud & Cross-Browser Testing:** Microsoft Azure, LambdaTest, SauceLabs
- **Programming:** Java, Python, JavaScript, SQL
- **Agile & Project Management:** Scrum, Kanban, JIRA

## Professional Experience

### Senior Software Engineer

#### Capgemini, Pune, Maharashtra | 2022 – Present

- Designed scalable test automation frameworks achieving 80%+ test coverage.
- Automated 95% of regression testing, reducing manual effort and boosting efficiency.
- Built Java-based automation for web, API, and mobile testing using Perfecto.
- Integrated tests into CI/CD pipelines (Jenkins, Azure DevOps), cutting deployment validation time by 30%.
- Developed REST API automation for 500+ backend services, ensuring stability and security.
- Improved flaky test reliability by 40% through enhanced automation practices.
- Applied system design principles to create secure, scalable, and maintainable frameworks.
- Executed Agile-aligned test strategies, managing defects and execution via JIRA and Azure DevOps, reducing post-release defects by 30%.
- Contributed to sprint planning, test execution, and process refinement in Agile teams.

## Projects

### CURA Healthcare Services Solutions : [Code](#)

- Built a Selenium-based framework with parallel execution, reducing test runtime by 40%.
- Enabled headless mode and cross-browser testing (Chrome, Firefox, Edge) for 100% compatibility.
- Integrated Extent Reports with detailed logs, cutting debugging time by 50%.
- Used JSON-based data management, improving scalability and maintainability by 60%.

**Tools:** Java 21, Selenium WebDriver, TestNG, Maven, JSON, Extent Reports, Git

### SauceDemo Playwright Solution: [Code](#)

- Developed a Playwright framework, reducing test execution time by 65%.
- Implemented Page Object Model in Java, decreasing maintenance time by 40%.
- Included parallel execution, HTML reports, and CI integration with 100% coverage of critical user journeys (login, browsing, cart, checkout).

**Tools:** Java 21, Playwright, Git, TestNG, Allure Reports, Jenkins

## Education

Bachelor of Technology (B.Tech), Mechanical Engineering

Techno India College of Technology, Kolkata, West Bengal | 2017 – 2021

## Certifications & Achievements

- GEM Award Winner – Recognized for E2E Certificates (WTW), Capgemini (2024)
- QA Automation Engineer Level 2 – Ocean Certifications
- Agile Software Development Certification
- Global Banking Level 2 Certification

## Passion & Goal

Dedicated to continuous learning and innovation in test automation, DevOps, and cloud-based solutions. Focused on scaling frameworks and optimizing strategies for high-quality software delivery.