

DIVA SHARMA

SENIOR TEST AUTOMATION ENGINEER | AUTOMATION & QUALITY ENGINEERING

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PROFESSIONAL SUMMARY

ISTQB-certified Senior Test Automation Engineer with 10+ years of experience in software testing, test automation and quality engineering across banking, payments, life sciences and energy. Hands-on expertise in Playwright with TypeScript/JavaScript, Selenium, API automation, Cucumber, Rest Assured and Appium, with strong experience in Java, Python, SQL, CI/CD and AWS. Experienced in scalable framework design, automated pipeline integration, backend/database validation, performance testing, observability, code reviews and Agile delivery. Uses AI-assisted engineering workflows for test design, code development, debugging and test analysis, with human review and validation.

CORE TECHNICAL SKILLS

Test Automation: Playwright, Selenium WebDriver, Cypress, Appium, TestNG, Page Object Model, Data-Driven Testing, UI, Regression, Smoke, Integration Testing

API & Backend: Rest Assured, Postman, Cucumber, BDD, Gherkin, REST APIs, SOAP UI, XML, Database Testing, ETL Testing

Programming: TypeScript, JavaScript, Java, Python, SQL, Unix/Linux

CI/CD & DevOps: Git, Jenkins, TeamCity, Git, Bitbucket,

Performance & Observability: JMeter, Gatling, Kibana

Cloud & Platforms: AWS S3, AWS Device Farm, AWS EMR, OpenShift

Tools & Management: JIRA, Xray, Docker, IntelliJ IDEA, Visual Studio

AI-Assisted Engineering: AI-assisted test design, code development, debugging, refactoring, test analysis, engineering productivity

Methodologies: Agile, Scrum, TDD, Test Strategy, Test Planning, Code Review

PROFESSIONAL EXPERIENCE

Senior Test Automation Engineer | Hansen Technologies Germany GmbH | Berlin, Germany

July 2022 – Present

- Develop and maintain UI and API automation using Playwright with TypeScript for functional, integration and regression testing, including BDD scenarios.
- Create and maintain BDD test scenarios in Gherkin using Cucumber, manage corresponding test cases in Xray, and automate the scenarios using Playwright with TypeScript.
- Leverage AI-assisted and agentic testing workflows with Playwright, including Playwright MCP for AI-tool integration and Playwright's Planner, Generator and Healer capabilities to support test planning, test generation, locator identification, test execution, failure analysis and test maintenance, with human review and validation of AI-generated output.
- Design and evolve scalable, data-driven automation frameworks with Allure reporting, improving maintainability, test visibility and execution feedback.
- Validate REST APIs and service integrations using Playwright and API testing tools, verifying request and response payloads, JSON data, backend persistence, and downstream service behaviour across end-to-end workflows.
- Integrate automated test suites into CI/CD pipelines using Jenkins and Git for repeatable release validation.
- Perform PostgreSQL validation and JMeter/Gatling performance testing while conducting code reviews and collaborating with developers and product stakeholders to resolve defects.
- Use AWS S3 for test data/file access and Kibana for log monitoring, anomaly investigation and root-cause analysis

Software Engineering Lead – Test | ZS Associates | Pune, India

Dec 2018 – June 2022

- Enhanced Selenium automation frameworks using Java, Page Object Model and reusable components for enterprise applications.
- Developed and maintained Java automation suites for ZAIDYN applications, supporting reliable and timely releases.
- Led cross-browser testing across Chrome, Firefox and Internet Explorer using Selenium WebDriver.
- Developed API automation with Rest Assured and Cucumber and applied TDD principles to strengthen automated validation.
- Performed integration testing with Veeva Systems to validate data transformations, API interactions and end-to-end workflows.
- Conducted code reviews and mentored team members and interns on automation standards and best practices.

Senior Test Automation Engineer | Tieto | Pune, India

Aug 2016 – Dec 2018

- Built and executed Selenium WebDriver and TestNG automation frameworks for Nordea financial applications.
- Performed functional and integration testing for SEPA and SWIFT payment services, including MT101 and MT103 message validation.
- Automated mobile UI tests using Appium and AWS Device Farm.
- Performed ETL testing using Unix commands and validated application behavior across OpenShift environments.

Test Automation Engineer | SS&C Technologies | Pune, India

Dec 2015 – Aug 2016

- Implemented a hybrid Java automation framework using Rest Assured for API testing and Selenium WebDriver/TestNG for UI regression.
- Automated regression suites and validated backend database operations using Oracle SQL.

Associate Professional: Product Test | DXC Technology | Bangalore, India

Oct 2013 – Dec 2015

- Developed and executed test cases for SQL object verification and API testing; performed data-driven testing using SOAP UI and XML workflows.
- Managed test cases, execution and defect tracking using HP Quality Center (ALM).

ACHIEVEMENTS

- Designed and implemented custom automation frameworks that improved testing efficiency by 40% across multiple projects.
- Validated AI-driven features in life sciences applications, contributing to next-generation pharmaceutical solutions.
- Automated repetitive backend payment-service scenarios, achieving approximately 70% test-case reusability.

EDUCATION & CERTIFICATIONS

ISTQB Certified | Bachelor of Engineering (B.E.), Computer Science

LANGUAGES

English – Fluent | TELC Certified German – A1