

# SHUBHAM GIRI

## Automation Test Engineer

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### Professional Summary

Detail-oriented QA Automation Test Engineer with over 7.10+ years of experience in designing, developing and executing comprehensive test strategies for web, desktop and API-based applications in Agile/DevOps environments and Built robust and scalable automation frameworks using Selenium WebDriver, Playwright and SpecFlow (BDD) with Java, C#(.Net). Skilled in aligning automation practices with business objectives to ensure faster releases, improved test coverage and decreased defect leakage. Proficient in building data-driven, POM-based and behavior-driven test frameworks integrated seamlessly into CI/CD pipelines using Azure DevOps, Jenkins and TeamCity. Familiar with API testing concepts and tools, SQL-based backend validation and implementing code quality practices with SonarQube, SonarLint, Jacoco and log4j. Utilized AI-driven solutions for efficient test script generation, self-healing selectors, dynamic test flow optimization and automated debugging to enhance test reliability and efficiency. Recognized for reducing manual regression effort by 60%, maintaining less than 10% defect leakage and accelerating test execution through optimized automation practices that support high-velocity software delivery.

### Skills

**Automation Tools & Frameworks:** Selenium WebDriver, Playwright, Autolt, SpecFlow(BDD), TestNG, RestAPI (Postman, RestSharp, HttpClient)

**Framework Design & Testing Approaches:** Page Object Model (POM), Data-Driven Testing, Behavior-Driven Development (BDD), Gherkin Syntax

**Version Control:** Git

**Reporting & Logging Tools:** Extent Reports, Log4j, TestNG Listeners

**Build & Dependency Management:** Maven, NuGet

**Programming Languages:** Java, C# (.Net), Python, TypeScript

**CI/CD:** Azure DevOps (ADO), Jenkins, Teamcity

**IDEs:** Visual Studio, Eclipse

**Database & Backend Validation:** Microsoft SQL Server, SQL Queries

**Code Quality & Coverage Tools:** SonarLint, SonarQube, Jacoco, IntelliSense, AI

**Methodologies & Processes:** Agile(Scrum, Sprint Planning, Daily Stand-Ups, Retrospectives), SDLC, STLC, BLC

### Work History

#### Test Engineer

03/2020 - Current

**Civica Resource Pvt. Ltd.** – Vadodara (Remote)

- Analyze, estimate, and design test cases including test data and scripting steps for both manual and automation testing
- Prepare, execute, and validate test cases across non-prod and production pipeline environments

- Maintain and update automated test suites for regression, smoke, end to end, uat and functional testing
- Participate in daily stand-ups, update SharePoint trackers, manage sprint efforts and track task progress using Agile methodologies
- Collaborate with teams for peer and pull request reviews, ensuring code quality and functionality before deployment
- Handle real-time troubleshooting by taking ad hoc calls, investigating issues, and providing quick resolutions with documented test evidence
- Conduct impact analysis and maintain traceability for test coverage, bugs, and change requests
- Improve and maintain test documentation, including reusable components and test frameworks
- Engage in CI/CD pipeline validation, supporting DevOps integration testing
- Support test planning and release readiness by providing input on test effort estimation, risk identification

**Software Test Engineer**  
**Ingecno Technologies – Pune**

09/2017 - 03/2020

- Created and executed end-to-end test scenarios for web and backend systems in non-prod and prod environments
- Participated in requirement analysis and sprint planning sessions to provide accurate estimations for testing efforts
- Executed manual test cycles and contributed to automation tasks for reusable scripts and smoke tests
- Tracked and updated test progress, effort hours, and task status using SharePoint and Agile tools
- Logged and verified bugs, conducted impact assessments, and collaborated closely with developers to ensure timely fixes
- Reviewed test cases and provided constructive feedback during peer reviews to uphold QA standards and consistency
- Prepared and shared detailed test reports, defect metrics, and test summaries for stakeholder review
- Supported multiple project releases by participating in release validation, regression cycles, and environment setup coordination

## **Projects**

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**HealthCare:** A web-based platform integrated with major health funds (HBF, HCF, NIB, etc.) to manage policy types, claims, payments, refunds and adjustments - ensuring smooth policy lifecycle management and regulatory compliance.

**View:** A web-based civil enforcement application designed to streamline case management and improve the enforcement experience for debtors.

**Libraries & Education Staff (LES-Education):** A web-based platform aimed at enhancing the education experience for both current and future students through efficient academic and staff services.

**Shoppers:** A web-based shopping cart application developed to improve the online retail experience for both merchants and customers.

**Hot Desk Booking:** A web-based solution for efficient management and real-time tracking of shared workspaces within organizations.

## Education

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**Bachelor of Engineering:** Electronics And Telecommunication 2017  
**Sinhagad Institute Of Technology** - Lonavla, India

**Diploma:** Electronics And Telecommunication 2014  
**P R Patil Institute Of Polytechnic** - Talegaon SP, India

**SSC:** General Studies 2011  
**D R Patil High School** - Akola, India

## Notable Contributions

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- Implemented permission-level design for single user centric function controls and ADO DB seed scripting to ensure accurate and secure user provisioning.
- Developed address-level automation logic, facilitating dynamic assignment of officers based on hierarchical structures within geographic domains, improving operational efficiency.
- Enabled automation feasibility for .ZIP and PDF file validation, making it possible to automate core functionalities such as letter correspondence workflows and Crystal Reports generation, resulting in improved test coverage and streamlined regression testing.
- Implemented dynamic key-pair test data resolution using token-based scripting (e.g., {LoginUsername} or `Login.Password`) in a scalable Selenium + SpecFlow + C# framework. Designed a runtime parser to fetch environment-specific values from .resx files, ensuring clean separation of test logic and data and enhancing test reusability and maintainability.
- Implemented a WebElement wrapper class to standardize interactions with common UI elements such as dropdowns, buttons and input fields. Included built-in waits, exception handling and improve test stability, reduce code duplication and simplify step definitions.
- Implemented a strategy to centralize explicit waits by creating reusable wait helper methods (e.g., GetWebElementSelector) and using them at the page class level instead of directly in step definitions. Handled dynamic elements, AJAX calls and loaders through intelligent wait conditions. Followed best practices by defining private locator variables within page classes to avoid duplication and improve maintainability.

## Languages

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Marathi, Hindi, English

## Disclaimer

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I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the Correctness of the above-mentioned particulars.