

Deepak Vishwakarma

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PROFESSIONAL SUMMARY

- QA Automation Engineer with 3.5 years of experience in Python, JavaScript, Playwright, Selenium, and Pytest, Specializing in Building Scalable Automation Frameworks, Improving Release Quality, and Driving CI/CD-Based Testing.
- Proven expertise in Functional, API, and Regression Testing for High-Traffic Web and Enterprise Platforms. Adept at Optimizing Test Coverage, Reducing Manual Effort, and ensuring High-Quality User Experiences in Agile Product Environments.
- Solid Background in leveraging Python to develop Robust Applications, utilizing IDEs such as IntelliJ, PyCharm, as well as Libraries like Selenium, Pytest.
- Good experience in Testing Applications using Robot Framework and Playwright.
- Experience in Version Control Systems like GitHub to keep the Versions and Configurations of the Code Organized.
- Experience with Test Driven Development (TDD), Functional Testing, and Integration Testing using Pytest.
- Skilled at handling errors/exceptions and Debugging/Troubleshooting issues in Applications following PEP Guidelines in Python.
- Experience in the whole Software Development Life Cycle (SDLC), Agile Methodologies, Sprints, Scrum Stories, and Daily Standup Meetings to ensure timely delivery of High-Quality Products.
- Applied AI tools (ChatGPT, Perplexity) for Test Case Generation, Synthetic Test Data creation, Automation Support, and Rapid Technical Research.

WORK EXPERIENCE

Celebal Technologies

Oct 2024 – Present

Senior Consultant

- Designed and Implemented a Robust Playwright Automation Framework covering end-to-end Purchase workflows, Improving Regression Reliability by 60%.
- Built Cross-Browser Test Suites (Chrome, Firefox, Edge) ensuring a consistent User Experience across 95%+ User Devices.
- Integrated Automated Scripts with Jenkins and Azure DevOps CI/CD pipelines, enabling continuous Regression Validation and Faster feedback loops.

- Partnered with Developers to Identify Root Causes of High-Impact Defects, Reducing Post-Release Issues by 35%.
 - Created Reusable Utilities and Custom Reporting modules, Reducing Script maintenance by 25%.
 - Collaborated with Product Manager and Design Teams to align Test Scope with Business-Critical User Journeys, ensuring no Functional Regressions in Checkout or Payments.
 - Delivered Daily and Weekly Quality Dashboards for Leadership visibility into Test Coverage, Failure Trends, and Release Readiness.
 - Actively Participated in Agile ceremonies, Such as Sprint Planning and Retrospectives, and Collaborated closely with Developers, Product Managers, and Designers to align Testing Goals with Business Requirements.
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XL Dynamics

Oct 2020 – Feb 2023

Associate Analyst

- Developed and maintained Python-Based Automation Frameworks (Robot Framework + Pytest) for Functional and Regression Suites across Multiple Web Modules.
- Automated 80% of Smoke and Regression Test Cases, Reducing Manual Testing time by ~40 hours Per Release.
- Created Python utilities for XML/JSON parsing and database validation, improving data integrity verification.
- Enhanced Framework design using Page Object Model (POM) and Custom Reusable Libraries, cutting script redundancy by 30%.
- Collaborated with Developers for Defect Root Cause Analysis, Improving early Defect Detection by 20%.
- Managed Version Control via Git/GitHub, Integrated Builds via Jenkins, and Participated actively in Agile Ceremonies (Sprint Reviews, Retrospectives).
- Conducted API Testing using Postman, validating REST endpoints and database consistency for Mortgage Workflow Modules.

SKILLS

- **Testing** - Functional Testing, Bug Reporting, Regular Expressions, Database Testing, API Testing, Automation Testing, Integration Testing, Web Automation Testing, System Testing, User Acceptance Testing, Manual Testing
- **Language :** Python, JavaScript, SQL
- **Databases :** PostgreSQL, MySQL
- **Tools :** Postman, Selenium, TestComplete, Azure DevOps (VSTS), Jenkins, GIT, JIRA, Confluence, Sauce Labs, Visual Studio Code Editor, IntelliJ, ChatGPT and Perplexity.
- **Frameworks :** PyTest, Playwright, Robot Framework

CERTIFICATIONS

- **Python:** Infosys
- **Software Engineering:** Infosys

LANGUAGES

- English
- Hindi

PROJECTS

Project:- 1

Project Name:- Multilevel Marketing System.

Role: Individual Contributor

Technology and Tools: Python, Selenium WebDriver, Robot Framework, Azure DevOps (VSTS), XPath, POM, IntelliJ, GIT, JIRA, Confluence, MySQL.

Description:

It is a Marketing Related Website. It allows us to get Membership in the Company by payment. The Application is all over the County. It is provided with Standard Submodules like Wallet, My levels Credentials Request, & Finally Reports related Direct & Indirect Referral. If a user is new at the Website, Then you need to register first.

Responsibilities:

- Designed and Developed Robust Automation Scripts using Selenium WebDriver and Robot Framework, accelerating Regression Cycles by 50% across core modules like Wallet and Referral Reports.
- Integrated a Hybrid Test Framework with Page Object Model (POM), improving code reusability and reducing maintenance effort by 30%.
- Implemented Data-Driven Utilities and reusable Functions, enhancing Test Scalability and minimizing Redundant code.
- Executed Cross-Browser validation on Chrome, Firefox, and Edge to ensure consistent User Experience and Functionality across Platforms.
- Performed end-to-end Functional and UI Testing for Critical User Flows — Registration, Membership Purchase, and

Referral Tracking — ensuring Defect-Free Production Releases.

- Collaborated with Developers through Azure DevOps and JIRA to log, track, and Validate Defects, Improving Defect Resolution Turnaround time by 40%.
 - Contributed to Test Result Analysis and Root Cause Identification, Enabling Data-Driven Improvements in Automation Coverage and Reliability.
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Project: 2

Project Name: Morgan

Role: Individual Contributor

Technology and Tools: Python, Selenium WebDriver, Pytest Framework, Playwright, JavaScript, TestComplete, Postman, REST API, JSON, Visual Studio Code Editor, GIT, JIRA, Confluence, SQL, Jenkins, PostgreSQL.

Description:

In this Project, Users are like Seller, Buyer, Lender, and Advisor. This Project is related to Property in which Firstly the Seller must sell the Property to the Buyer & the Buyer can acquire the Property with Legal Formalities & Lending Options. In which Advisor has the Role of Advising the Buyer about the Properties which are Sold by the Seller.

Responsibilities:

- Automated complex role-based workflows (Seller, Buyer, Lender, Advisor) using Selenium + Pytest.
 - Involvement in Test Execution, Results Analysis and Defect Reporting.
 - Understanding the Business Requirements, Preparing Test Scenarios, Test Data & Test Cases.
 - Involved in Regression Testing, Functional testing, Retesting, Integration testing & API Testing.
 - Verification of Test Results and Logging Defects.
 - Used Jira tool for Issues and Bugs Tracking, Prioritizing & Resolving.
 - Reduced Manual Regression Execution effort from 2 days to 6 hours through Test Automation Coverage.
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Project: 3

Project Name: Benjamin Moore

Role: Individual Contributor

Technology and Tools: JavaScript, Playwright, Python, Selenium WebDriver, TestComplete, GIT, JIRA, Confluence, SQL, Visual Studio Code Editor, Azure DevOps (VSTS), Sauce Labs, Jenkins, PostgreSQL.

Description:

This Project Involved Testing Benjamin Moore's Online Paint Retail Platform. The Platform enables Customers to Browse Paint Products, Select Colors, make Purchases, and Track Orders. The Testing Scope included Functional Validation of the entire Purchase Flow, Ensuring that Users have a Seamless Experience when Navigating, Selecting Products, and Completing transactions.

Responsibilities:

- Developed and Executed Automated Test Cases using Playwright for various e-commerce Workflows, Including Product Browsing, Color Selection, and Order Processing.
- Performed Functional and Regression Testing to ensure system Stability after new Feature Deployments.
- Validated User Experience across different Browsers to maintain consistent Functionality and Performance.
- Logged and Tracked Defects in JIRA, Working closely with the Development Team for Timely Resolution.
- Integrated with CI/CD and Implemented Parallel Execution, Reducing Regression Cycle time by 70%.
- Provided Daily Status Updates and Detailed Reports on Test Outcomes, Coverage, and Quality metrics for Project Stakeholders.

EDUCATION

PGDM, Institute of Management and Information Science, Bhubaneswar

2020