

Elizabeth Schley

Charlottesville, VA

Voice Mail: (434-977-6757), lizschley@gmail.com

Profile

Experienced QA Engineer, with extensive developer experience, who loves to program, has a comprehensive understanding of the software development process, most recently using Agile with Jira, and is passionate about quality.

Work Experience

Rising Tide Solutions (RTS Labs), LLC, QA Engineer 2021 - 2023

- Worked with developers, devops and product management to write test cases and perform manual testing, automated UI, unit and integration tests in complex environments.
 - Wrote two Python / Behave frameworks using Selenium, making sure to use methods in order not to repeat the code. Shared innovations with the rest of the QA Team.
 - Made Javascript calls in Selenium tests when necessary.
 - Eliminated login and navigation time in the Selenium tests by using an API call and sending the authentication key in the header. Navigated to pages only when testing navigation.
 - Wrote a complex API-only Python / Behave framework for a middleware application suite, testing Kafka calls, multiple microservices, one internal and two external applications in the same test suite.
 - In both of the Python / Behave frameworks, wrote feature tests in Gherkin as a test plan. The test scenarios as the individual test case, with the Gherkin documenting the test process. I ran the resulting test scripts multiple times a day.
 - Made it so the API tests easily changed environments (development to qat, for example) by passing in a parameter ([see example of the code used.](#))
 - Wrote a [Java Spring rest application](#) in order to write tests with JUnit and Cucumber as a proof of concept for moving tests to the left. Wrote both unit and API tests. Demoed this with the QA Team.
 - For all manual testing, did the following:
 - Wrote a test plan.
 - Used Postman to test middleware.
 - Created test cases:
 - Traced the tests to the requirements
 - Documented the procedures and data used.
 - Tracked results in Jira or discussed issues with developers and updated developer Jira tickets, all according to the team agreement.
 - Documented testing in Jira, Confluence and/or spreadsheets, depending on what the client wanted. Included test evidence in reports.
 - Researched bugs and other issues using web UIs (both the interface itself and inspect element), SQL queries and log checking (Cloudfront, Datadog and New Relic).
 - Worked with project owners and developers to prioritize bugs.

Technologies: Python: Behave, Java Spring Boot: Junit, Cucumber, AWS, Selenium, Jenkins, Docker, Postman, Postgres, DynamoDb, LINUX, TestFlight, SQL, MySQL, SQL Server

CoConstruct, LLC, QA Automation Engineer 2019 – 2020 (5 months)

- Worked with devops quality engineers to develop a world class Azure Pipeline by setting up a UI testing framework.
 - Taught myself QA UI Automation using Python, Pytest and Selenium. Created over 300 tests in four months, ensuring the tests were both valuable to the business and followed object oriented and other best programming practices.
 - Eliminated login and navigation time by saving the login cookie and going directly to the page to be tested. Navigated to pages only when testing navigation.
 - Cached page data collected by screen scraping techniques, making it so the tests were comprehensive without the overhead of many page loads.
 - Used data-driven development, allowing the test and creation data to be changed in one place and also making it easy to reuse assertion methods.
 - Manually ran the test scripts during the test development process.
 - Maintained a database snapshot and an Azure pipeline so that the most up-to-date regression test script ran in the pipeline whenever code was merged into development and integration branches.

Technologies: Python, Pytest, Selenium, Azure, SQL Server, Javascript

Teachstone Training, LLC, Backend Developer 2013 – 2019

- Worked with developers, devops, product management, QA, content and customer service to create and maintain a Ruby on Rails web application to help teachers improve their interactions with their students.
 - Created a plan to improve our Rspec test suite, addressing speed and randomly failing tests in particular. Implemented bits of the plan, but never got company buy-in to tackle the job holistically.
 - Built cross-application monitoring for data syncs, using New Relic Insight custom fields, allowing us to measure the time from one in-house application to another through a third-party application for which we had no access. We created alerts and New Relic dashboards based on the resulting data. As a by-product, the information helped with bug analysis.
 - Added or modified acceptance criteria using Gherkin syntax. This was a team effort when tickets either had complex business requirements or addressed functionality that integrated with other parts of the application.
 - Worked with a first-time Product Manager [PM], Customer Support, course specialists and QA to flesh out requirements, write new Jira tickets and to update two separate back-end applications to improve the user experience in our video upload mobile application.
 - Tested my own code manually either with Browserstack, a server running in the dev environment or with Postman.
 - Wrote automated unit and integration (API) tests using Rspec, both within the application and interfacing with other external and internal applications.
 - Programmed with HTML, CSS and Javascript, as well as Ruby on Rails.

- Worked with the QA team to understand bug reports and prioritize necessary tests.

Technologies: Ruby/Rails, Rspec, Cucumber, PHP, TestFlight, MySQL, Docker, Jenkins, AWS, LINUX, CircleCI, BrowserStack, Postman

Medical Automation Systems (Abbott), Engineering Project Manager 2007 - 2012

- Responsible for approving test plans.
- Ran meetings to mitigate risks.
- Ran meetings to prioritize bugs and decide upon work-arounds.

LexisNexis, Senior Software Engineer (promoted 1999) 1993 – 2007

- Worked on many projects as a Java developer. For two years, worked as a technical lead for a customer-facing eCommerce web-site selling print and cd law publications. The application interfaced with multiple order fulfillment and financial back-end systems.
 - As a tech lead, took responsibility for both release and test plans, tracing all tests to the requirements. The result was on-time releases with clean code, eventually having a bug-free application.
 - As a tech lead, designed and wrote a Java Web service that took output from the ASP.net web-site and transformed the data into the necessary format for various downstream applications.
 - As a tech lead, wrote multiple integration test plans, including the necessary procedures and specific data to use and organizing the business to do the testing. Tracked the test results, iterated on ensuring the code was fixed and retested until all tests passed. When the code went to UAT, there were no bugs to be fixed.
 - As a junior developer, created a case law entry program in VB, originally designed for limited usage, but eventually adopted and used company wide by law editors. This effort was successful, because I reached out and listened to the law editors describe their process.

Technologies: Java, web services, SOAP, CSS, HTML ASP, Javascript, VB

Education

- Masters of Science - Information Studies, Florida State University: 4.0 GPA
- BA in English, Old Dominion University
- Java Certified Java 2 Platform 1.4