## **SHREEYA GOYAL**

## Software Quality Engineer

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**SUMMARY:**

* **Software Development Engineer in Test** with 8 years of experience in Information Technology with good exposure inQuality Assurance and leading a team of 4 QA. Extensively worked on Web, Mobile (Android and iOS), API, Database and Performance test automation tools and frameworks.
* Professional expertise in Smoke Testing, Backend Testing, Black-Box Testing, User Acceptance Testing (UAT), Functional Testing, Positive/ Negative Testing, System Testing, Regression Testing, ETL migration testing, GUI Software Testing, Ad-hoc Testing, Cross Browser/ Cross Platform Testing, UI Validation, Web Services, Boundary Value Testing.
* Extensively worked on industry acclaimed top open-source automation libraries like Selenium, Cucumber BDD, Karate API and Rest Assured (api) automation testing.
* Extensive working experience on all phases of Software Development Life Cycle (SDLC), its methodologies such as Agile, SCRUM and Waterfall Model.
* Experience in Requirement Analysis and creating Requirement Traceability Matrix between requirements and Test Cases to ensure Test Coverage.
* Experience in setting up the automation framework from scratch and developing automation scripts using Selenium WebDriver, Eclipse, Karate, TestNG, Maven and Junit.
* Experience in developing behavior-driven framework (BDD) and test scripts using Cucumber and Gherkin language.
* Experience with automation Tools and expert in developing Selenium Web Driver/RC/IDE/GRID test scripts using Java, JavaScript, Python and Test Frameworks using Testing/ Junit, ANT/MAVEN build tools.
* Build and enhance automated test framework using Cypress and Page Object model concepts.
* Expert in handling dynamic web elements using Absolute/Relative Xpath, CSS selectors, using different waits like implicit/explicit, fluent wait and handling date pickers.
* Sound knowledge on Junit, TestNG framework for Unit testing, ETL testing, Maven and Ant for Project building tool, Jenkins CI/CD DevOps tools for Continuous Integration and running the test suites automatically by scheduling.
* Experience with Mobile Automation testing of desktop apps and Web apps on mobile and tablet devices using Appium automation framework (iOS/Android).
* Experience in API testing for SOAP and RESTful web services and validation of responses using the ReadyAPI, Postman and soapUI tools.
* Experience in automation and validation of different HTTP requests (API testing) using rest assured (Java) and Karate framework.
* Sound knowledge on Object Oriented Programming (OOP) concept. Extensively used Java and Ruby for test case automation. Experience in implementing TDD and BDD.
* Well versed in different management scenarios like Change Control, Quality Assurance, System Integration, Task Scheduling and Defect Tracking using HP ALM and JIRA.
* Experience with version control tools such as SVN, GIT, Stash and Bitbucket.
* Expert in writing complex SQL queries in MySQL and Oracle for backend validation.
* Experience in utilizing Playwright framework to develop and execute automated tests.
* Experience in using Saucelabs and Browserstack for cross-browser testing to run automation scripts on different platforms.
* Experience in integrating different types of testing suites to each build using Docker, Git and Jenkins.
* Experience in automating angular UI-based web applications using Protractor, Typescript, GCP (Cloud platform) and Karate framework.
* Experience in performance testing using Loadrunner, Apache, Jmeter and Blaze meter.
* Experience with Pytest web framework, python process, web development and interaction with automation tools
* Experience in the development of Data driven, Keyword driven and Hybrid Automation frameworks in Selenium.
* Experience in implementing infrastructure on new AWS systems and migration of existing Linux and Windows based infrastructure to AWS and Azure CLoud platforms and automated using Terraform templates
* Excellent experience in troubleshooting software applications for business functions in major areas of the business and enterprise-wide.
* Ability to adapt to new environment quickly, strong team player, good communication, good analytical and computation skills, enthusiastic learner, confident, sincere and committed.
* Outstanding communicator with extensive experience in customer service as well as the ability to identify, develop and enhance client relationships.

**TECHNICAL SKILLS:**

Testing Tools : Selenium IDE/RC/Web Driver/GRID, TestNG, Test Manager, Maven, Cypress, Cucumber, Protractor/Jasmine, Appium, Rest full API, Soap UI, Ready API, Postman, Karate, Visual Studios Team Suits (VSTS), TFS, Loadrunner, Jmeter.

Languages : Java, Python, C#.Net, Typescript, HTML, XML, PL/SQL

Web Technologies : HTML5, XML, CSS, Angular JS, jQuery, javascript, Node.JS

Scripting : Python, JavaScript

IDE : Eclipse, IntelliJ, SQL Developer, VisualStudio

Test Framework : Spring Boot, Spring JDBC Template, JDBC

Web Debugging Tool : X Path, Fire path, Firebug

Build Tool : Ant, Maven

Bug Tracking Tool : JIRA, Quality Center (QC), Bugzilla & IBM Rational Team Concert (RTC)

Continuous Integration Tools : Jenkins, Hudson, Kubernetes

Repository System : Github, GitLab, SVN, Stash, Bitbucket

Databases : MS Access, Oracle, MySQL, SQL server and Mongo DB

Cloud Platform : AWS (EC2, S3, VPC, ELB)

Operating Systems : Windows (XP, Vista & 7,8),Unix/ Linux, Mac OS

**EDUCATION:**

* George Washington University **Aug 2016 - May 2018**

Masters in Information Systems and Technologies

* Narsee Monjee Institute of Management Studies **Aug 2011 - May 2015**

Bachelors in Electronics and Telecommunications Engineering

**PROFESSIONAL EXPERIENCE:**

**Client: Robinhood Jan 2022 - till date**

**Location: Menlo Park, CA**

**Role: Automation QA Engineer/Test Manager**

**Responsibilities:**

* Lead and manage QA efforts of a team of 4 throughout agile sprints
* Build test plans for new features and improvising on existing test plans for feature updates and customer feedback using Testrail
* Coordinated and led the offshore and local QA teams to exceed all test automation goals
* Developed automation frameworks which have been widely used among QE teams
* Execute tests on our weekly beta release candidates for iOS, Android, Web app using Appium, Android Mobile Studio and XCode
* Created automated test scripts using Ready API and karate framework, primarily Groovy scripting. SSMS (SQL Server Management Studio) was the in-home SQL tool to write queries using JOINS and STORED procedures.
* Used Jenkins to integrate with Ready API to schedule daily smoke tests and weekly regression tests.
* Validate SOAP & REST request/ responses for web services using ReadyAPI.
* Tested API (validating each API endpoint) using POSTMAN and cURL, worked with developers to automate API functional testing.
* Programming experience on Rest Assured is a Java-based, JavaScript and .Net. Extensively worked on Java Selenium.
* Collaborate with Product Designers, Product Managers, Backend Engineers, Data Engineers and Customer Support
* Create Automation test suites and end to end UI tests using Python, Selenium Webdriver and Pytest framework
* Automated the API services using Karate DSL framework for Unit Testing, Integration Testing and Regression Testing
* Utilized Python in providing developer teams with detailed reports on quality metrics, identified bugs and recommended fixes
* Written templates for AWS infrastructure as a code using Terraform to build staging and production environments
* Designed and documents REST/HTTP, SOAP APIs including JSON data formats and API versioning strategy using Karate.
* Develop automation scripts for Mobile native applications on Android and ios using Python, Appium and Ruby
* Implemented Jenkins code Deploy plugin to deploy to AWS and used to automate the build process and deploy the application to server
* Perform Manual and automated testing using emulators and iOS simulators
* Use Git as a code repository and code collaborator to manage code review
* Proficient in Playwright framework for cross-browser and cross-platform automated testing.
* Understanding of the importance of test plans and how to approach writing informative bug reports
* Extensively used XPATH, Regular Expression and classes to perform UI actions. Exported output/reports for all automated testing results using allure
* Involved in GUI testing, integration testing, navigation testing and regression testing using web and client server applications
* Used Google Cloud DataStore(GCP) to store the data on cloud platform and validated the entities, columns which were extracted and loaded to the Data Store.
* Validated the API response with the GCP cloud data in the data store.
* Used GCP Pub-sub and validated the message published to the Topic which was extracted from the Legacy Db, and ensured the message was consumed by the data store.
* Tested all the rules implemented during ETL job and data move from source to target Data Warehouse (DWH)
* Developed complex SQL queries to test ETL jobs from source to target Data Warehouse (DWH)
* Use Jira effectively to maintain bug lists for critical issues as well as to document the work progress
* Designed and implemented CI (Continuous Integration) system: configuring Jenkins servers, Jenkins nodes, creating required scripts (Perl &amp; Python), and creating/configuring VMs (Windows/Linux)
* Closely worked with managers to improve QA processes, test coverage, QA efficiencies., test cycles, test metrics and milestones using Testrail

**Environment:** Appium, Mobile testing - ios and Android, Web testing, Selenium Web Driver, Karate, Java, Python, Pytest, Angular JS, Pytest, Load Runner, Pycharm, Agile, APO, SQL, Maven, AWS (EC2, S3, VPC, ELB), SOAP UI, Apollo, Rest API’s, Quality Center HTML, GitHub, PostgreSQL, Visual Studio Code, Ready API, Postman, Tableau, Kubernetes, Testrail, Jira, GCP.

**Client: NAIC Jan 2020 to Jan 2022**

**Location: Kansas City, MO**

**Role: Software Quality Engineer/Test Manager**

**Responsibilities:**

* Provide testing support during final and various rehearsals for Production Cloud Cutover and Beta Cloud Cutover events
* Work with both automation as well as manual testing using tools like Selenium Web Driver, SQL Developer, Postman, Karate etc.
* Execute and verify API changes using PostMan.
* Involved in validating the API with the PostMan tool and creating the Continuous Integration mechanism.
* Involved in writing automated scripts for Angular.JS application using Protractor framework and Selenium Web Driver
* Worked on converting outdated UFT scripts to Selenium
* Provide support to developers so that OFRS application can support against OFRS cloud database and testing this application using PostgreSQL
* Expertise in using the Rest Assured framework for API automation. Writing test scripts using Rest Assured to validate RESTful APIs, including handling HTTP methods, request/response validation, and authentication.
* Use Tableau for functional testing, identifying bugs and tracking performance of CIS application
* Expertise on Testing REST API using SOAP UI
* Coordinating with source system owners, day-to-day ETL progress monitoring and maintenance of daily batch schedule run on a nightly basis
* Developed and maintained automated test scripts using Playwright framework for a large-scale web application, resulting in a 30% reduction in testing time
* Created accurate and efficient test scripts in ReadyAPI to manage automated testing of certain products and features for smoke testing and regression testing.
* Used Technologies like Jenkins, GitLab, ReadyAPI to integrate Testing as part of the development
* Worked with an agile team who were creating applications using Angularjs, Bootstrap, Javascript, HTML, where I used Protractor and Jasmine for testing java script code.
* Developed and executed white box test cases using Python, Unitest/Pytest framework and Pycharm
* Maintenance, taking backup and recovery of CI/CD tools, jobs and scripts
* Perform Smoke, Functional, Regression and Integration testing using Selenium Webdriver and Python (Pycharm IDE)
* Provide support for mavization of LPL application for consumers, industry and regulator
* Work extensively with developers on both front end and back end using AWS EC2 web service
* Create and manage data storage solutions using GCP services such as BigQuery, Cloud Storage, and Cloud SQL
* Develop and execute **SQL** queries to test data and identify anomalies
* Participate in ‘three amigos’ meeting during development with Business Analyst and developers to define and analyze the behavior and functionality of an application
* Use Jira effectively to maintain bug lists for critical issues as well as to document the work progress
* Communicate effectively with developers to identify and work on issues found during testing stage for any application
* Update the outdated test scripts to support the migration of various applications to JBoss cloud environment.
* Participate in agile Scrum ceremonies like Stand-up meeting, Sprint planning, bi-weekly automation meeting with all other SQE, bi-weekly retrospective meetings with business analysts and developers

**Environment:** **Selenium Web Driver**, Java, Python, Pycharm, Angular JS, Protractor, Load Runner, Jenkins, Eclipse, Agile, SQL, Maven, APO, AWS (EC2, S3, VPC, ELB), SOAP UI, Rest API’s, Quality Center HTML, GitHub, PostgreSQL, Visual Studio Code, IntelliJ, Ready API, Karate, Postman, Tableau, Kubernetes, GCP

**Client: Sprint July 2018 - Dec 2019**

**Location: Reston, VA**

**Role: QA Automation Engineer/Test Manager**

**Responsibilities:**

* Gathered requirements documents such as business requirements and design documents and other related documents.
* Reviewed the Test Basis, designed and documented Test Strategies, Test Plan, Test Cases and executed test cases.
* End to End Testing of the complete website which was developed using Angular.JS, JavaScript, HTML5, CSS3 and other web technologies.
* Responsible for writing and maintaining Selenium WebDriver scripts for regression and functional testing using data driven framework.
* Used Protractor which is and End-to-End Framework testing for AngularJS Web Applications.
* Developed test code in Java language using Eclipse, IDE and TestNG framework.
* Setup the Automation framework using Selenium to run test cases in multiple browsers and platforms
* Developed and maintained automated regression test cases in UFT / QTP using VB Script
* Worked on the Android module of the project where I was responsible for automating the app using Appium with python.
* Involved in writing automated scripts for Angular.JS application using Protractor and Java.
* Experience in Automating the Integration Process\Services using Ready API or SOAPUI Pro
* Used Jenkins to integrate with Ready API to schedule daily smoke tests and weekly regression tests.
* Involved in Jenkins CI/CD integration and configuration of selenium and Postman for scheduled jobs
* Involved in design and implementation of Selenium Web Driver automation framework for smoke and regression test suites (TestNG and Maven).
* Involved in testing the application utilizing the Scrum (Agile) methodology.
* Involved on Cucumber testing and defined the test scenarios and created the test cases in Test Manager.
* Created reusable function library in QTP that can be used across various scripts for provisioning/Billing GUI and API/XML.
* Wrote PL/SQL queries, stored procedures, and triggers to perform back-end database operations.
* Developed test scripts with Ruby-Selenium to automate browser and web applications under Cucumber (BDD) Framework.
* Experience in doing performance testing of services / applications using HP LoadRunner and J meter.
* Designing and implementing CI (Continuous Integration) system: configuring Jenkins servers, Jenkins nodes, creating required scripts (Perl & Python), and creating/configuring VMs (Windows/Linux).
* Transformation including Service Virtualization using CA Dev/Test Tool for Automation and On Demand Runs in AWS Cloud.
* Involved in providing technical input to implement service virtualization using CA Dev/Test.
* Involved in designing, developing, deploying and supporting Service Virtualization using CA LISA Dev Test.

**Environment:** Selenium Web Driver, Java Python, Test NG, Ready API, Postman, Angular JS, Protractor, Load Runner, Jenkins, Cucumber, Agile, SQL, Maven, Appium, CA Dev Test (ITKO LISA), AWS (EC2, S3, VPC, ELB), DHTML, SOAP UI, Rest API’s, XPath, Firebug, Eclipse, Quality Center HTML, GitHub, Windows 7.

**Client: Veritas                                             May 2015 – Aug 2016**

**Location: India**

**Role: QA Analyst**

**Responsibilities:**

* Applied various complex SQL queries.
* Interaction with the database is accomplished through JDBC.
* Wrote front-end code for developing new pages using HTML, CSS, and JavaScript.
* Used Ant scripts to build and deploy on Web Sphere Application Server.
* Extensive experience in developing applications using Java, JSP, Servlets, JavaBeans, JSTL, JSP Custom Tag Libraries, JDBC, JNDI, SQL, AJAX, JavaScript and XML.
* Developed the data access classes using JDBC and SQL queries.
* Developed application using Eclipse IDE.
* Used Servlets to write server-side programs.
* Worked with POJO for handling data coming from the legacy systems.
* Used LOG4J, JUNIT for debugging, testing and maintaining the system rate.
* Wrote PL/**SQL** queries, stored procedures, and triggers to perform back-end database operations.
* Proficient with Web Services framework and writing XML based Web Services.

**Environment**: HTML, CSS, core java, servlets, JDK, PL/**SQL** server, Eclipse, Triggers, JDBC, JSP, POJO'S, Web services, ANT, LOG4J, JUnit.