**Bhavesh Goyal**

**Santa Clara, California**

**Professional Summary:**

* Results driven Staff Software Test Engineer with over 10+ years of experience in quality assurance, automated testing, and software validation.
* Proven track record of leading test strategies, implementing automation frameworks, and ensuring high-quality software delivery.
* String expertise in API testing, CI/CD pipelines, and Agile methodologies.
* Adept at collaborating with cross-functional teams to enhance product reliability and user

**Technical Skills:**

|  |  |
| --- | --- |
| **QA Automation Tools and Frameworks** | * Selenium
* Appium
* TestNG
* JUnit
* Cucumber
* Cypress
* Postman
* Robot Framework
* SoapUI
 |
| **Programming Languages** | * Python
* JavaScript
* Kotlin
* Ruby
* Swift
 |
| **Version Control Systems** | * Git
* GitHub
* GitLab
* Bitbucket
 |
| **CI/CD Tools** | * Jenkins
* GitLab CI
* CircleCI
* Bamboo
 |
| **Mobile Testing** | * Android Studio
* Xcode
* Espresso
* UI Automator
* XCUITest
 |
| **Automated Performance Testing** | * JMeter
* LoadRunner
 |
| **Defect Tracking and Test Management Tools** | * Jira
* TestRail
* Quality Center (ALM)
* Zephyr
* TestLink
 |
| **Cloud-Based Testing** | * Sauce Labs
* AWS Device Farm
* Firebase Test Lab
 |
| **Automation Concepts** | * Continuous Testing
* Test-Driven Development (TDD)
* Behavior-Driven Development (BDD)
* Data-Driven Testing
* Keyword-Driven Testing
* Parallel Test Execution
 |
| **Automotive-Specific Tools** | * SIL (Software-in-the-loop)
* HIL (Hardware-in-the-loop)
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**Professional Experience**

**Visa Inc., Foster City Apr’23 - Present**

**Senior Software Test Engineer**

**Roles & responsibilities:**

* Developed and maintained automated test scripts using Selenium for web applications, enhancing test coverage and reliability.
* Utilized Appium for automating mobile applications across Android and iOS platforms.
* Created TestNG test suites to implement parallel test execution and improve test efficiency.
* Developed test cases using JUnit for unit testing and integrated them with the CI pipeline.
* Implemented Cucumber for Behavior-Driven Development (BDD), enabling easy collaboration with business stakeholders.
* Integrated Cypress into the automation framework for end-to-end testing of UI components.
* Automated API testing using Postman and integrated it with Jenkins for continuous testing.
* Enhanced SOAP and REST API test coverage using SoapUI and automated testing scripts.
* Utilized Robot Framework to create test suites for both web and mobile applications.
* Engaged in test-driven development (TDD) practices using JUnit and TestNG to create reusable test cases.
* Worked with version control systems like Git, GitHub, and GitLab for code management.
* Utilized GitLab CI to automate testing workflows and integrate them into the DevOps pipeline.
* Managed deployments and test execution environments using Jenkins.
* Led performance and load testing efforts using JMeter alongside automation tools.
* Wrote Python automation scripts for backend testing and performance validation.
* Debugged automation failures using JavaScript and Kotlin for both mobile and web platforms.
* Worked with Bitbucket for source code management and collaboration with development teams.
* Implemented Bamboo CI/CD pipeline integration for test execution and continuous integration.
* Focused on cross-browser testing, ensuring compatibility across different browsers using Selenium.
* Conducted continuous integration, running tests and generating reports automatically with CircleCI.

**Amazon (Smart Vehicles) Sunnyvale Jun’21 – Mar’23**

**QA Automation Engineer**

**Roles & Responsibilities:**

* Automated web-based applications using Selenium and integrated them with TestNG for test case execution.
* Used Appium to build automation frameworks for testing mobile applications in smart vehicle systems.
* Integrated Cucumber for automating acceptance tests, improving communication with stakeholders.
* Utilized Cypress for testing modern single-page applications (SPAs) in smart vehicle interfaces.
* Automated API testing using Postman and integrated the results into a continuous integration pipeline.
* Implemented behavior-driven development with Cucumber for testing complex vehicle system features.
* Developed test scripts using Python and JavaScript for performance and regression testing.
* Set up GitLab CI to automate testing processes and ensure continuous integration of changes.
* Utilized Jenkins for CI/CD pipeline integration and test result reporting.
* Worked with GitHub for version control and collaboration with development teams.
* Wrote test cases for Robot Framework and executed them for cross-platform testing.
* Used SoapUI to create automated functional and regression tests for vehicle-related APIs.
* Ensured compatibility of the vehicle mobile app across multiple devices using Appium.
* Integrated Bamboo for better test management and continuous delivery of vehicle software.
* Wrote Kotlin code for testing Android-based vehicle mobile applications.
* Conducted automated functional testing for web applications using Selenium WebDriver.
* Wrote and maintained test scripts using JUnit for automated unit and integration tests.
* Enhanced test coverage through Cypress for more interactive and dynamic user interface testing.
* Automated test case execution and reporting using CircleCI, ensuring continuous validation of smart vehicle features.
* Monitored and improved the stability of the test automation framework using Bitbucket for collaboration.

**Amazon (Alexa Mobile Experiences), Santa Cruz Mar’19 – Jun’21**

**QA Automation Engineer**

**Roles & responsibilities:**

* Automated functional and regression tests for Alexa mobile applications using Appium.
* Used Cucumber for defining and automating BDD test scenarios for Alexa features.
* Automated API testing with Postman, validating interaction between Alexa and other services.
* Developed and maintained test automation frameworks using Selenium and TestNG.
* Created performance testing scripts in Python to test Alexa's response times.
* Integrated automated tests into the Jenkins pipeline for continuous integration.
* Enhanced test coverage by integrating Cypress for UI testing and interaction.
* Developed cross-platform mobile test scripts for Alexa mobile apps using Appium and JavaScript.
* Utilized JUnit for unit testing and test execution within the CI pipeline.
* Integrated GitLab CI for continuous testing and rapid feedback loops in Alexa mobile app development.
* Utilized Robot Framework to execute cross-platform tests, improving test coverage across different devices.
* Wrote unit tests and integrated them into the CI/CD process using Bamboo.
* Integrated test automation results into CircleCI for real-time test execution monitoring.
* Enhanced code management and collaboration with GitHub for version control.
* Automated backend and API testing with SoapUI and integrated into the continuous testing pipeline.
* Used Kotlin for writing Android-based mobile test scripts, optimizing execution time.
* Worked with Bitbucket for managing test scripts and collaborating on automation improvements.
* Used JavaScript for scripting dynamic and interactive Alexa mobile tests.
* Wrote complex test scripts for validating voice interaction features in Alexa using Cucumber.
* Improved the test execution speed using parallel testing with TestNG.

**Field wire, San Francisco Jan’18 – Mar ‘19**

**QA Automation Engineer**

**Roles & Responsibilities:**

* Built and maintained a robust Selenium WebDriver automation framework for testing construction management software.
* Automated mobile application tests for Fieldwire’s mobile app using Appium.
* Integrated TestNG with Jenkins for continuous testing in agile sprint cycles.
* Automated and validated API endpoints using Postman for construction project APIs.
* Developed custom test scripts using Python to automate API validation and performance testing.
* Used Cucumber to automate acceptance tests, aligning testing with business requirements.
* Integrated Cypress to test UI components across multiple browsers.
* Performed end-to-end testing using Robot Framework to validate system integrations.
* Utilized JUnit for unit and integration testing in Fieldwire's web application development.
* Worked with GitHub and GitLab for version control and collaboration with development teams.
* Automated functional tests using SoapUI for backend API testing and validation.
* Integrated test suites with CircleCI for continuous integration and reporting.
* Implemented Bamboo for CI/CD pipeline automation, ensuring seamless code integration.
* Wrote JavaScript test scripts for dynamic UI elements in the construction management app.
* Created performance test scripts using Python for evaluating Fieldwire’s mobile app.
* Integrated GitLab CI to automate test executions and integrate them into daily development cycles.
* Tested and validated mobile app functionality using Appium across both iOS and Android platforms.
* Led the creation of reusable test cases, improving efficiency with Robot Framework.
* Engaged in test automation for backend API services using JUnit.
* Enhanced test reporting and analytics using Postman and integrated it into the testing dashboard.

**Trismax, Pleasanton Apr’17 – Jan’18**

**QA Automation Engineer**

**Roles & Responsibilities:**

* Automated tests for Trismax's web applications using Selenium and Cucumber.
* Built custom automation frameworks with TestNG for scalable test execution.
* Utilized Postman to automate API testing for system integration and validation.
* Integrated Appium for mobile application testing, covering both Android and iOS.
* Developed automated unit tests with JUnit for efficient and effective regression testing.
* Used Robot Framework for acceptance and end-to-end testing of Trismax products.
* Integrated testing workflows with GitLab CI to automate execution and speed up testing.
* Contributed to performance and load testing using JMeter along with automated scripts.
* Automated backend and frontend testing with Python and JavaScript.
* Integrated with Jenkins for managing test execution and reporting.
* Wrote and optimized Kotlin scripts for mobile test automation in Android environments.
* Used GitHub for version control and to manage collaborative efforts with developers.
* Configured Bamboo to streamline the CI/CD pipeline and ensure faster deployment.
* Created reusable test modules using TestNG to enhance test coverage.
* Managed and executed tests using Bitbucket as the code repository and collaboration tool.
* Utilized SoapUI to automate functional and security testing for APIs.
* Contributed to CI/CD using CircleCI for real-time execution of automated tests.
* Enhanced reporting and dashboards using Postman for easy access to test results.
* Delivered test results and metrics to stakeholders, ensuring transparent communication using Robot Framework.

**Western Union Digital, San Francisco Nov’16 – Feb’17**

**QA Automation Engineer**

**Roles & Responsibilities:**

* Automated the end-to-end testing process for digital payment solutions using Selenium.
* Developed mobile app testing scripts using Appium for both Android and iOS platforms.
* Implemented TestNG to optimize parallel execution and speed up regression testing.
* Automated API testing using Postman, ensuring smooth transactions and integrations.
* Conducted cross-platform testing with Cypress for UI and functionality validation.
* Developed robust test cases using JUnit for system validation in digital payment services.
* Enhanced test workflows by integrating Robot Framework for structured and consistent testing.
* Managed version control with Git, GitHub, and GitLab for code synchronization and review.
* Implemented continuous integration using Jenkins, ensuring rapid feedback on code changes.
* Automated backend testing using Kotlin and Python to verify data processing.
* Used Cucumber to automate acceptance criteria for new feature deployments.
* Worked with Bitbucket for seamless code management and collaboration on test scripts.
* Performed load testing using JMeter, simulating high-volume transactions.
* Wrote mobile testing scripts for both Android and iOS devices using Appium and Kotlin.
* Conducted functional testing of Western Union's digital wallet application using SoapUI.
* Improved test execution efficiency by integrating tests into CircleCI for faster feedback loops.
* Used JavaScript for testing dynamic web elements in Western Union’s online platform.
* Automated the payment transaction flow using Postman and integrated it into the CI pipeline.
* Worked on security testing and validation using SoapUI to ensure safe transactions.
* Enhanced overall QA efficiency by automating test case execution and reporting through Bamboo.

**Software Engineer (Multiple roles) | India Mar’12 – Dec’14**

**Roles & Responsibilities:**

● Developed & executed comprehensive test strategies, reducing production defects by 40% & ensuring ~90% product reliability

**Education:**

* Master of Computer Science and Engineering | Santa Clara University, Santa Clara Jan’15 - Jun’16
* Master of Business Administration | ICFAI Business School, Hyderabad, India Jul’10 - Mar’12
* Bachelor of Engineering (Computer Engineering) | MDU, Gurgaon, India May’06 - Jun’10