

# PRATHAP REDDY NARAYAN

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## Summary

- Over 7.5+ years of experience in Information and Technology industry, with a strong focus on ensuring the quality of web, API and mobile applications through manual and automation testing.
- Experience in working in various domains like **Healthcare, Telecommunication, Retail and Finance**.
- Knowledge and understanding of all phases of Software Development Life Cycle (SDLC) from requirement analysis to user acceptance testing.
- Good knowledge on all phases of Software Testing Life Cycle - Agile Model (Scrum process).
- Experience with test automation tools such as **Playwright, Cypress, and Selenium**.
- Experience with **Appium** in Mobile Testing to identify Mobile Platforms like IOS, Android.
- Experience in building scripts for E2E flow along with **Mocha's BDD** syntax and **chai** assertion library with BDD and POM approach in **Cypress** framework.
- Experience in designing and developing **Cypress** framework with **JavaScript** for E2E, component and API testing.
- Working experience on developing automation script using advanced features of **Playwright** for web and API testing.
- Extensively worked on Web, API, Database, and Performance test automation tools and frameworks.
- Experienced in Workday Integrations, iLoad, Workday Data Migration and Workday Reporting.
- Worked on writing quality code using TDD (Test driven development) and unit test using JavaScript testing frameworks **Jasmine, Karma**.
- Expertise in designing Hybrid, data driven, Page Object Model and BDD frameworks with Java Selenium WebDriver, **TestNG, BDD Cucumber, Extent Reports, Cucumber Reports**.
- Proficient in working with **GraphQL** for testing & querying GraphQL in terms of business words.
- Developed and executed API test cases for **SOAP** and **RESTful** web services using **Swagger, SoapUI, Postman**.
- Hands on experience in different types of testing like Smoke Testing, Functional testing, Regression testing, Unit Testing, Integration testing, System Testing, Black Box, White Box, User Acceptance Testing (UAT).
- Experience using AWS services like EC2, S3, Amazon RDS, DynamoDB, AWS IAM and lambda for configuring and utilizing the cloud services.
- Expertise in building CI/CD on Azure environment using Azure Boards, Azure Repo, and Azure DevOps pipelines and experience in using Azure ARM templates, API Gateway, and Azure Functions in automation and securing the infrastructure on Azure.
- Experience in utilizing CI/CD tools Docker, Jenkins to deploy the builds to **AWS** and used GIT for Version Control of code for incremental development and code maintenance.
- Expertise in scheduling jobs via **Jenkins** (CI/CD tool) for automating the build and deploy processes allowing significant increase in test automation.
- Experience with SonarQube for code coverage and build pre-filtering at **Jenkins** Pipeline.
- Experience in working with Hardware testing devices like IOT Products, Mobile devices, Laptop, Storage devices, home automation devices, streaming devices and Wearable devices.
- Experience in using Build management tools like **ANT, Maven, Gradle**.

- Experience with version control tools such as **SVN, GIT, Stash, Bitbucket.**

## **SKILLS**

- **UI & Functional Automation Tools/ Frameworks:** Selenium WebDriver, Cypress, Playwright, Appium, Cucumber, JUnit, TestNG, SOAPUI, Postman, Swagger, Protractor, BDD, Karma, LoadRunner, JMeter.
- **Reporting and other Frameworks:** Extent Reports, Jasmine Reports, Protractor-cucumber Reports, Java Mail, Gmail API, Apache POI, Auto It.
- **Web Technologies:** HTML, CSS, XML, JSON, ES6, AngularJS, NodeJS, JDBC REST.
- **Programming Languages:** JAVA, C#, JAVASCRIPT, Groovy, Typescript.
- **Scripting:** VBScript, HTML, PHP
- **Databases:** MySQL, SQL Server, Oracle, and MongoDB.
- **DevOps & CI/CD:** Git, SVN, Bitbucket, Stash, Jenkins, TeamCity, Docker, AWS Cloud, Azure, Sauce Labs.
- **Build Tools:** Maven, Gradle, Ant.
- **Test Case Management Tools /Bug Tracking Tools:** ALM QC, JIRA Zephyr, Bugzilla, Rally, TestRail, Azure DevOps.
- **Project Management Tool:** JIRA, Azure DevOps, Confluence.
- **IDE:** Eclipse, IntelliJ Idea, SQL Developer, WebStorm.
- **Browsers:** Selenium GRID, Internet Explorer, Firefox, Chrome, Safari.

## **Professional Experience**

### **Snap Finance**

**Jan 2022 to Current**

Salt Lake City, Utah

### **Software Development Engineer in Test**

- Designed and developed hybrid automation framework using Playwright & Jasmine and REST Assured for API Automation Framework.
- Designed and developed Playwright-JavaScript-Cucumber BDD data driven framework for new single sign-On page application.
- Highly proficient in working with manual testing as well as automated testing tools using Postman and Playwright.
- Automation testing responsible for creating automation test scripts using tools such as Playwright and JavaScript, TypeScript.
- Implemented custom reporting using Playwright-jasmine Reports, Playwright-cucumber Reports.
- Implemented Playwright's auto-wait mechanism, ensuring robust and flake-free tests even in complex web applications.
- Extensively worked on the TestNG framework to perform unit testing along with Behavior Driven development (BDD) framework using Cucumber.
- Used POSTMAN to manually test the Restful web services/ API and validated the responses.
- Developed Automation Test Scripts using BDD Cucumber and Page Object Model (POM) design approach with Selenium Web driver, Java and Excel for Data Driven testing.
- Using the Selenium Web Driver, Java, Junit to design and develop a test automation framework for smoke and regression test suite.

- Involved in functional testing, test case development and regression testing using Junit for web-based application.
- Implemented LoadRunner for additional load testing scenarios, ensuring the application's scalability.
- Involved in reviews, Manual Testing, Integration Testing, Regression Testing, Functional Testing, System Testing, and Black Box Testing using automated tools like Selenium IDE and Quality center.
- Plan, design and enhance automation framework and utilities using Selenium.
- Implemented parallel test execution using Sauce Labs to optimize test cycle times and improve overall test suite performance.
- Work cross functionally in an Agile/Scrum environment alongside Development and Product Management to deliver high quality solutions.
- Worked closely with Product Owners, Software Developers, and other QA team members and was involved in the entire Software Testing Life Cycle (STLC).
- Integrated Jenkins for continuous integration, enabling automatic test execution on code commits.
- Orchestrated the migration to Git for version control, streamlining collaboration and code management.
- Implemented Docker for containerization, facilitating consistent testing environments.
- Implemented end-to-end automated testing solutions using Azure DevOps for a large-scale cloud-based application.
- Utilized Azure services such as Azure DevTest Labs and Azure Monitor to simulate realistic user scenarios, identify bottlenecks, and implement optimizations to enhance the application's scalability and responsiveness.
- Led the migration to JIRA Zephyr for test case management, enhancing traceability and collaboration within the QA team.
- Participated in the release process through confirmation of QA status, post-release testing, daily product stand-up meetings, etc.

## **Travelport**

**Feb 2021 to Dec 2021**

Englewood, Colorado.

### **Test Automation Engineer**

Responsibilities:

- Built a robust Cypress automation framework utilizing Cypress, Mocha, applitools, mocha-awesome reports, and chai assertion library.
- Created an End-to-End automation test suite using Cypress, supporting multiple test environments, fixtures, data fakers, and cross-browser testing.
- Integrated applitools for efficient visual testing within the Cypress framework, ensuring high-quality visual output.
- Automate the API services using Karate DSL framework for Unit Testing, Integration Testing and Regression Testing.
- Also developed a suite on Cucumber-Karate-Selenium framework for API Automation.
- Created a framework from scratch using an API testing tool called Karate for REST API Testing.
- Utilizing Swagger for API documentation and Postman for API testing, ensuring comprehensive coverage of RESTful services.
- Performed mobile automation efforts using Appium, ensuring seamless testing across Android and IOS platforms.

- Collaborated with development and quality assurance teams to identify and address platform-specific challenges, enhancing the reliability and effectiveness of cross-platform testing strategies using Appium.
- Developed an automation framework using Java, BDD (Cucumber), and Selenium WEB driver.
- Tested application using BDD framework with Cucumber and Gherkin language.
- Implementing load testing with JMeter, identifying performance bottlenecks, and optimizing application responsiveness.
- Performed the enhancement of the automated testing framework by integrating Browser Stack for cross-browser testing.
- Performed test cases in accordance with the technical requirements and organizational needs.
- Developed a test plan and test requirements based on functional requirement specifications and system design specifications.
- Participated in test planning and automation effort estimations, adhered to the agile testing.
- Writing complex SQL queries for data validation for verifying the SSIS Packages and SSRS reports and business rules.
- Creating test scripts using VB Script in Test Complete Test Automation tool for regression testing.
- Participated in sprint planning meetings and daily scrum sessions to report on the progress of the day's automation efforts.
- Utilized Jenkins and Docker for continuous integration and deployment, streamlining the release process.
- Used Extent Reports for detailed and visually appealing test reports, aiding in effective communication of test results.
- Performed cross-browser testing and executed test cases on multiple platforms using Selenium Grid.
- Executed scripts across different browsers (Firefox, IE, Chrome) and platforms (Mac, Unix, Windows).
- Managing test case execution and bug tracking using ALM QC, enhancing traceability and collaboration among QA team members.
- Implementing continuous integration with Git, Jenkins, Maven, and Docker, resulting in faster and more reliable build and test cycles.
- Leveraged GIT for defect tracking and documentation, ensuring efficient version control and collaboration.
- Designed and implemented a scalable and robust test automation framework on AWS, utilizing S3 buckets for storage, EC2 instances for distributed test execution, and AWS Lambda for serverless automation triggers.
- Managed test case repositories using Bugzilla, improving traceability, and facilitating efficient bug tracking.

**Qualcomm**

Hyderabad, India

**QA Automation Engineer**

**July 2018 to November 2020**

Responsibilities:

- Involved in implementation of Test Automation Framework build using Selenium WebDriver to handle TestNG and Maven technologies under Java platform.
- Developed data formatted web applications and deployed the script using client-side scripting using JavaScript.
- Created and optimized automated test cases using Selenium with TestNG and mapped the test cases and defects.
- Worked on UI and API end to end, Integration, Consumer, Smoke testing.
- Worked on Cross-Browser compatibility and fixed the bugs for several browsers.
- Integrated with API Automation Framework developed using REST Assured.
- Worked on API and Web Service Testing using Postman, REST Assured, TestNG for REST API Testing.
- Used Appium for native, hybrid mobile application testing for IOS and Android platforms and developed scripts using JavaScript.
- Created Page Object Model Mobile automation framework on both IOS and for Android using Appium.
- Integrated the email and customer validations with automation regression suite.
- Reviewed test coverage and proposed solutions to increase test scope.
- Performed Manual Testing of the application, creating test plans, test cases and documentation.
- Prepared test cases for Navigational testing, Functionality testing and User interface testing.
- Used browser stack for performing cross browser testing avoiding multiple local systems.
- Build and automate the deployment of all the front-end components using Jenkins, cutting deployment time and the number of developers needed.
- Maintained the version controls in bitbucket using Git.
- Documented defects, errors, and inconsistencies in the application using JIRA and ALM.
- Configured Jenkins Build job for continuous Integration and continuous Deployment.
- Integrated Unit, component, regression, and smoke suites to each build using Git, Jenkins.
- Integrated JIRA Zephyr testcases and Jenkins reports after the execution.
- Implemented Azure DevOps pipelines for CI/CD, ensuring a consistent testing process across multiple cloud platforms.
- Automated and executed test cases and reported the defects in Azure Board.

## **CA Technologies**

**April 2016 to June 2018**

Hyderabad, India

### **Quality Assurance Engineer**

Responsibilities:

- Integrated SOAPUI for testing SOAP-based web services, ensuring the reliability of backend functionalities.
- Developed, modified, and debugged scripts in Automation framework using QTP for future release.
- Performed Smoke tests on each build using QTP, and the findings are sent to management.
- Developed utility scripts in QTP to export data from different database tables to Excel.
- Executed regression tests with the help of QTP's automated scripts.
- Conducted load, stress, and functional testing.

- To validate data and database mappings, perform testing and examine XML code as well as SQL queries.
- Performed manual test cases while incorporating both positive and negative data. Reported results and errors in Team Foundation Server (TFS).
- Performed manual test cases and compared with actual results that were anticipated.
- Changing the current functionality to create automated test scripts.
- Conducted load, stress, and functional testing, User acceptance testing.
- Participated in Scrum meetings, collected business requirements, and worked with developers and business analysts to translate sprints into testable requirements.
- Adopt agile methodology and actively participated in both SDLC and STLC phases.
- Participated in Planning and daily standup meetings as part of the agile team, attended intrapersonal sessions and Retrospectives.
- Collaborated with DevOps teams to integrate automated tests into Jenkins CI/CD pipelines, ensuring continuous testing and faster feedback loops.
- Implemented custom reporting using Extent Reports, TestNG Reports, and HTML reports.