Haryish Elangumaran

QA TEST ENGINEER (FUNCTIONAL)

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Summary

Test Engineer with 4 years of experience in manual and automation testing across web and API software systems, currently working at Cognizant Technology Solutions. Skilled in **functional testing** within UAT environments using tools like **Selenium WebDriver with Java, Cypress, and Postman**. Proficient in automation using **Python with Selenium, PyTest, and Robot Frameworks**, with exposure to **CI/CD tools such as Jenkins and GitHub Actions**. Experienced in executing **Exploratory, Smoke, Sanity, Regression, and End-to-End testing** across UI, backend (App Insights, Event Calls), and REST APIs following **STLC and Agile** methodologies. Strong background in test design, traceability, defect tracking, and hands-on with **Jira, Dremio, Snowflake, Perfecto, BrowserStack**, and **VisionPlus Testing via Bluezone Mainframe and Azure CLI**.

Experience

Cognizant | Programmer Analyst – QEA　　　　　　　　　　　**Oct 2021-Present**

- **Current Project Domain:** Banking and Financial Services
- **Defect Identification and tracking:** Utilized various testing techniques to identify defects and maintained test cases in Jira (X-Ray).
- **Automation Testing:** Practiced automation testing using **Selenium (Java), Cypress(JS) , TestNG, POM, Data Driven testing. (relevantly 2 years)**
- **Test Design and Development:** Developed comprehensive end-to-end testing procedures, created detailed **test plan, test scenarios, test cases,** and **requirement traceability reports (RTM).**
- **Manual Testing:** Executed manual testing for credit card functionalities to ensure they met client requirements.
- **Training and Project Accomplishments:** Acquired foundational knowledge in functional and automation testing with **Selenium (Java), Cucumber, TestNG, Jenkins and Git**.

Skill Sets:

- **Testing Execution Types**: Manual Testing, Automated Testing, Functional Testing
- **Software Engineering Model**: STLC (Software Testing Life Cycle), Waterfall, Agile Methodologies
- **Testing Tools**: Selenium WebDriver, Postman (REST API), Perfecto and Browser stack
- **ALM**: Jira
- **Version Control:** Git/GitHub
- **SQL and platform:** MySQL, Dremio, Snowflake DB
- **Programming Languages:** Java, Python, JavaScript
- **Testing Frameworks:** Cypress, TestNG, PyTest, Robot
- **Framework Approaches:** Data Driven, Behaviour Driven Test
- **CI/CD:** Jenkins, Github Actions
- **Documentation and maintenance:** MS Office (Word, Excel, Powerpoint)
- **Testing Types:** Adhoc, Exploratory (APIs), Smoke, Sanity, User Acceptance (Alpha), End-to-End, Regression

Education

Anna University | MCA　　　　　　　　　**Dec 2024**

Major: Computer Applications　　　　[Percentage: 68]

Dwaraka Doss Goverdhan Doss Vaishnav College | BCA
Jun 2021

Major: Computer Applications　　　　[Percentage: 80]

Projects

NewDay Technologies - Testing

This project works is done for a banking service named **NewDay Cards Pvt Ltd** specializes in providing consumer finance services, including credit cards, to retail consumers. The company is dedicated to helping people move forward with credit by offering a range of financial products.

Responsibilities:

As a Functional QA in the User Acceptance Testing (UAT) phase, I played a role in ensuring the quality and reliability of their software products focussing on customer onboarding journeys. My responsibilities included,

- **Test Planning and Design**: Developed comprehensive test plans, Requirement Traceability Matrix (RTM), test scenarios, and test cases based on detailed project requirements and specifications.
- **Test Execution**: Executed test cases both manually and using automated testing tools.
  - For web automation testing, I utilized Selenium WebDriver, Cypress, and for API testing, I employed Postman for API testing as well.
  - For Manual testing, I utilize the tools such as Perfecto and Browerstack for Mobile testing, Dremio and Snowflake for dataset management,
  - Have involved in VisionPlus testing (under modules FAS, CMS, TRAMS, LMS on BlueZone Mainframe), on testing various credit card functionalities.
- **Defect Management**: Identified software defects and inconsistencies, documented them meticulously, and tracked their resolution using Jira. Provided detailed information to developers to facilitate quick and effective bug fixes.
- **Regression Testing**: Conducted thorough regression testing to validate bug fixes and ensure the stability of the software.
- **UI and API Testing**: Developed and executed UI tests and participated actively in API testing to ensure comprehensive test coverage and high-quality assurance.

Tools and Technologies used:

Cypress, Selenium WebDriver, TestNG, POM, Data Driven, Postman, Swagger UI, REST API Testing, UI Testing, Regression Testing, Jira, MS Excel, FirstVision, Snowflake, Perfecto, Browser stack.

Courses and Certifications

- **Diploma in Web Designing** - National Council for Vocational Education and Training, 2020
- **Python Essential 1** - Cisco, 2024
- **GitHub Ultimate: Master Git and GitHub - Beginner to Expert** - Udemy, 2023
- **Selenium WebDriver with Python from Scratch + Frameworks –** Udemy, 2023

External Activities and Accomplishments

Effective Report Validation | Cognizant's Bluebolt Innovation   2024

Contributed and implemented the idea of validating effectively on the big JSON file against the DB reports via JSON to Table converter using Node JS. This saves the time cost from 5hrs to 1hr which helps in project during retesting process.

Mentorship Program | Cognizant's Buddy Mentor Connect   2023

Mentorship Program Contributed around 20+ hours in mentoring freshers and interns in Cognizant Academy under QEA domain, sharing and helping by the best of my knowledge in their curriculum.

Test Evidence Validator | Hack-o-Mania   2022

Accomplished a Mini project on Test Evidence validation, that captures details on each screenprint, their timings intervals of preceding screenprints.