Sathiyajeyan Ranganathan

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PROFILE

Highly skilled and accomplished Senior Software Developer in Test (SDET) with 6 years of experience and a proven track record in delivering robust and high-quality software solutions. Adept at designing and implementing effective test strategies, driving test automation initiatives, and ensuring the overall quality and reliability of software applications. Strong leadership abilities, with the capacity to lead cross-functional teams, mentor junior SDETs, and collaborate with stakeholders to achieve project goals.

TECHNICAL EXPERTISE

▪ Programming Languages: Javascript, C#, Python, Java, C
▪ Test Automation: Selenium, Cypress, Cucumber, TestNG, NUnit, Appium, AXE (Accessibility framework)
▪ Testing Methodologies: Agile, CI/CD Testing
▪ Operating Systems: Windows, Linux

▪ Tools: JIRA, GIT, Postman, Azure Test Plans, Bitbucket Pipeline, AWS, Azure DevOps Pipeline, ServiceNow
▪ Types of Testing: Integration, Contract API, UI (Regression, Smoke), Accessibility, Performance
▪ Database: SQL, MySQL

PROFESSIONAL EXPERIENCE

Euna Solutions/Bonfire Interactive   **May 2021 – Present**
Software Developer in Test (SDET)

- Orchestrated and executed well-organized QA plans for multiple web applications based on procurement.
- Automated 95% of manual API tests by creating API contract automation using Supertest, Hapi lab and Jest.
- Achieved 90% regression test coverage by automating regression tests using Cypress and Cucumber.
- Implemented nightly regression test runs on the bitbucket pipeline, generating comprehensive stability reports for the web applications.
- Streamlined detailed reporting for senior executives by configuring the execution of contract API tests and integration tests on the bitbucket pipeline.
- Supervised and mentored multiple co-op students across various teams, ensuring the successful implementation of feature test cases and automation.

PetHealth   **March 2020 – May 2021**
QA Automation Analyst / Release Engineer

- Implemented a spec runner for specflow in the existing automation code, enabling the generation of comprehensive regression status reports.
- Developed a test plan that clearly separated QA requirements and business requirements, facilitating task allocation between QA and UAT testers.
- Optimized the existing automation code to improve its performance and execution speed on Azure VM.
- Conducted load and capacity testing for a new project, determining the server's limitations and capabilities.

- Implemented unit testing in C# for critical class components of the DAX CRM program.
- Collaborated closely with developers to coordinate release cycles for each sprint, utilizing Azure Pipeline and cloud services.

Entripy   **March 2018 – March 2020**
QA Engineer / Automation Developer
- Proficiently identified, reproduced, isolated, and reported issues/bugs to developers and product managers, actively tracking their progress.
- Developed and automated the regression and smoke test packages using Selenium, C#, and SpecFlow.
- Employed Behavior-Driven Development (BDD) as the preferred testing method to ensure proper application behavior.
- Created new test cases and test plans for implementing new features in Azure Test Plan.
- Leveraged Azure for running automated tests, deploying updates, and managing stories and features on a per-sprint basis, ultimately pushing finished features to production across all five web applications.
- Utilized POSTman to conduct tests using WebAPI.

TopHat   **September 2017 – March 2018**
QA Analyst / Release Engineer
- Orchestrated the integration of Jenkins and AWS to deploy a test server and streamline product releases.
- Leveraged the Appium library to automate regression testing for the Android platform.
- Executed comprehensive manual regression testing on both mobile and web platforms.
- Conducted meticulous manual sanity tests on the CA and US server environments, focusing on critical functionalities.
- Demonstrated expertise in bug identification, reproduction, isolation, and effective reporting to developers and product managers.
- Facilitated the onboarding process of new co-op recruiters, ensuring smooth knowledge transfer and seamless integration.

CERTIFICATION & EDUCATION

Scrum Alliance   **Toronto, Ontario**
Certified ScrumMaster® (CSM®)   February 2022

University of Guelph   **Guelph, Ontario**
Honours Bachelors of Computing   April 2017