

SASITHARAN C

Software QA Automation Engineer



Software Engineer with a background as a QA Engineer (**3+ years**) and hands-on development experience in Laravel, MySQL, and full-stack web applications. Skilled in writing clean, efficient code as well as building and testing scalable systems. Leveraging a strong foundation in QA and automation to deliver reliable, high-quality software while transitioning into full-time software development roles.

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PROFESSIONAL EXPERIENCE

Software QA Engineer

Infinit.Ik, Sri Lanka/Japan | March 2023 – Present

- Designed, developed, and executed automated test scripts using **Selenium (Python & Java)**, increasing regression coverage by **40%**.
- Built and maintained **scalable test automation frameworks** for web and mobile applications.
- Integrated automated test suites into **CI/CD pipelines** to accelerate release cycles and improve feedback loops.
- Performed **API automation testing** to validate backend services and ensure reliability across integrations.
- Transitioned critical manual test scenarios to automation, reducing repetitive testing effort and human error.
- Collaborated daily with cross-functional teams in **Japan and Sri Lanka** to identify, troubleshoot, and resolve defects quickly.
- Maintained centralized automation test repositories and ensured test cases aligned with evolving project requirements.
- Applied **Agile/Scrum practices** to deliver automation solutions iteratively, improving overall product quality and delivery speed.

Internship

ILT Software - Colombo, LK | Jun 2022 - Dec 2022

- Main areas of expertise are testing the Web based projects and Android projects.
- Extensively working Experience in preparation of Test cases and Defect reports.
- Experience in using selenium web driver, Java, NetBeans, Katalon, Appium, JMeter.
- Exposure to all stages of Software Development and Software Testing Life Cycles.
- Exposure to all stages of Test Defect Life Cycle.

EDUCATION

Bachelor Of Computing

London Tec City Campus

Nugegoda, LK | June 2024

HND in Software Engineering

ICBT Campus

Kandy, LK | June 2023

KEY SKILLS

Automation Tools: Selenium (Python, Java), TestNG, PyTest, Appium, Katalon Studio, Playwright

Programming & Scripting: Python, Java, PHP (Laravel), JavaScript, MySQL

API & Performance Testing: Postman, REST Assured, JMeter

CI/CD & Version Control: Git, GitHub, Jenkins, GitHub Actions

Testing Expertise: Functional, Regression, UI/UX, API, Mobile Testing

Methodologies: Agile/Scrum, SDLC, STLC, Defect Life Cycle

ADDITIONAL SKILLS

- Communication**
- Problem Solving**
- Time Management**
- Adaptability**
- Critical Thinking**
- Leadership**

PROFESSIONAL PROJECTS

Automating Inventory Management (Selenium + Python) — <https://github.com/Sac-tharan/Automating-Inventory-Management-Selenium-Python->

An automation solution developed using Selenium (Python) to streamline and manage inventory operations via a web interface. The project automates repetitive inventory tasks such as adding new items, editing existing records, and deleting out-of-stock entries. Key features include Reads inventory data from structured sources (CSV, JSON, or database) and pushes updates to the web portal. Automates form interactions for CRUD (Create, Read, Update, Delete) operations on inventory items. Verifies consistency by checking UI and backend (if applicable) to ensure data integrity.

Dealzbay.lk — E-commerce Website (Laravel Backend, Next.js Frontend, RESTful APIs)- <https://github.com/Sac-tharan/Dealzbay-Admin>

Dealzbay.lk is a full-stack e-commerce platform built with a Laravel backend and Next.js frontend. It exposes RESTful APIs for products, carts, checkout, orders, and user management, and includes secure payment gateway integration for seamless online transactions. The system supports end-to-end flows—product browsing, advanced search & filters, cart/checkout, order tracking, and admin operations (inventory, pricing, promotions)—delivering a fast, SEO-friendly shopping experience with server-rendered pages and a scalable API layer. Role-based access control and token-based authentication ensure data security, while database-backed inventory keeps stock accurate in real time.

Data-Driven Login Automation (Python + Selenium) — <https://github.com/Sac-tharan/data-driven-login-automation-using-python-selenium-main>

Automated login testing using data-driven techniques to validate user authentication flows across multiple user accounts and credential sets. Uses Selenium (Python) to automate the login form across different user inputs. Loads test credentials from external data sources (CSV, Excel, JSON) to drive multiple test cases. Logs outcomes for each credential set. Implements assertions to validate correct behavior. Handles edge cases like empty fields, SQL injection-like attempts, invalid formats, and account lockouts.

Selenium Automation Bot- <https://github.com/sasi-tharan/Selenium-Automation-Bot->

The **Selenium Automation Bot** is a Python-based bot application designed to automate the process of uploading construction project data to a website. Using **Selenium** for web automation, the bot handles the extraction of over 1000 data entries from a **CSV file** and uploads them to the specified website. This automated process eliminates the need for manual data entry, saving time and reducing human error. The bot navigates through the website, inputs the data, and ensures that all the construction project details are uploaded efficiently and accurately.

Livestock Management System CRM-<http://fms.uzhavorsandhai.in/>

The **Livestock Management System CRM** is a comprehensive platform built with **Laravel** and **MySQL** to simplify and optimize livestock management. It offers features for managing animal data through CRUD operations, including mating, breeding, vaccinations, and pregnancy tracking. The system includes advanced reporting tools for in-depth insights into operations. A key highlight is the integration of **AI**, which predicts animal health issues, enabling proactive care.

REFERENCES

References available upon request