



Ravindu Haputhanthri

Software Engineer - Quality Assurance (SEQA)

✉ ravinduheshan99@gmail.com

☎ 077-5165666

📍 Moratuwa-Sri Lanka

PROFILE

Detail-oriented and proactive QA Engineer with hands-on experience in software quality assurance across Agile environments, currently contributing to end-to-end testing, automation strategy, and service validation at IFS R&D International. Skilled in manual testing, test planning, and defect tracking, with a strong focus on collaboration and continuous improvement. Proficient in tools like Jira, Selenium, and Postman, with a keen interest in advancing test automation skills. Quick to grasp complex systems, take initiative, and enhance QA processes, with a passion for delivering reliable, high-quality solutions in dynamic, remote-first teams.

EDUCATION

Bachelor of Science (Honours) in Computer Science

University of Kelaniya, Sri Lanka.

Dean's List (2019/2020) and (2020/2021)

JUL 2021 – APR 2025

iCET Certified Developer (iCD)

Institute of Computer Engineering Technology (iCET)

NOV 2023 – PRESENT

WORK EXPERIENCE

Trainee Software Engineer - Quality Assurance

SEP 2024 – PRESENT

IFS R&D International (Pvt) Ltd



Collaborated within the DevOps team as a Trainee Software Engineer – QA to perform manual and exploratory testing of IFS Cloud, with a focus on deployment validation, database schema updates, and container lifecycle management. Contributed to sprint planning, designed test cases aligned with the Definition of Done, and participated in defect triaging and verification. Maintained structured test plans, documented QA processes using Jira and Confluence, and supported test automation with Selenium to enhance regression testing efficiency. Operated within Agile environments, working closely with developers and solution engineers to validate new features across multiple environments. Gained hands-on experience with Kubernetes, Helm, and remote environment configuration, while consistently demonstrating ownership, adaptability, and a commitment to continuous learning.

Docker | Kubernetes (Rancher, MicroK8s) | Helm | Jenkins | Bamboo | Bitbucket | JFrog Artifactory (Cloud & On-Prem) | Oracle | Azure (ACR, File Sync) | Jira-Xray | Confluence | Lens | Sandbox Environment

PROJECTS

Selenium Test Automation

GitHub Repo

Comprehensive hands-on project covering core to advanced Selenium automation concepts with real-world QA scenarios. Covered multi-browser setup, WebDriver basics, Java refreshers, locator strategies (XPath, CSS, Regex), UI automation (dropdowns, calendars, tables), synchronization (Implicit, Explicit, Fluent Waits), advanced topics like window handling, iFrames, AJAX, JavaScriptExecutor, and error handling. Included Java Streams for sorting/filtering, Relative Locators in Selenium, and file upload/download via AutoIT.

Selenium WebDriver | Java | Maven | TestNG | Eclipse | XPath | CSS Selectors | JavaScriptExecutor | AutoIT | ChromeDriver | FirefoxDriver | EdgeDriver

WEB

LinkedIn : [Ravindu Haputhanthri](#)

GitHub : [ravinduheshan99](#)

CORE SKILLS

Manual Testing

Test Automation

Bug Tracking (Jira)

Agile Methodologies

Test Planning & Documentation

Regression, Smoke and Exploratory Testing

Collaboration with Cross-Functional Teams

Web Applications & APIs Knowledge

Communication & Teamwork Skills

TOOLS & TECHNOLOGIES

Automation & Testing:

[Selenium](#), [WebDriver](#), [TestNG](#), [Cucumber](#), [Maven](#), [WebDriverManager](#)

CI/CD Tools:

[Jenkins](#), [Bamboo](#), [Bitbucket](#)

Containerization & Orchestration:

[Docker](#), [Kubernetes](#), [Helm](#)

Version Control & Code Repositories:

[Git](#), [GitHub](#), [Bitbucket](#)

Cloud & Infrastructure:

[Azure](#), [JFrog Artifactory](#) (Cloud & On-Prem)

Database: [Oracle](#), [MySQL](#)

Programming & Web Development:

[Java](#) (OOP), [Spring Boot](#), [Angular](#), [JavaFX](#), [HTML/CSS](#), [Bootstrap](#), [JavaScript](#), [Observer-Observable](#), [Factory](#) and [Singleton Design Patterns](#), [MVC](#) and [Layered Architectures](#), [Hibernate](#), [Maven](#)

Others:

[IntelliJ](#), [Eclipse](#), [NetBeans](#), [Lens](#), [Sandbox](#), [Figma](#), [Python](#)

Selenium Test Automation – TestNG Integration

[GitHub Repo](#)

Developed a structured TestNG-based framework with modular test design, XML-based configuration, and reusable logic. Implemented test prioritization, group execution, parallel testing, custom listeners, and DataProvider-driven testing. Applied Java OOP concepts like inheritance, constructors, and super/this keywords to enhance code maintainability and reduce duplication.

[Selenium WebDriver](#) | [Java \(OOP\)](#) | [TestNG](#) | [Maven](#) | [Eclipse](#) | [XML Configuration](#)

CI/CD Integrated Selenium Test Automation Framework

[GitHub Repo](#)

Built a robust Selenium framework using Page Object Model, Page Factory, and TestNG for modular test execution. Enabled JSON-driven DataProvider, dynamic validations via HashMaps, retry logic, screenshots on failure, and ExtentReports. Automated parallel test execution through Maven and Jenkins, with GitHub webhook triggers for CI/CD. Integrated Cucumber for BDD and AutoIT for file handling. Leveraged GitHub Copilot for AI-assisted code generation within the framework.

[Selenium WebDriver](#) | [Java](#) | [TestNG](#) | [Maven](#) | [Jenkins](#) | [Git](#) | [GitHub](#) | [JSON](#) | [ExtentReports](#) | [Cucumber](#) | [AutoIT](#) | [GitHub Copilot](#) | [Page Object Model](#) | [Webhooks](#)

Cross-Browser Testing with Selenium Grid

[GitHub Repo](#)

Implemented Selenium Grid infrastructure to enable distributed and parallel cross-browser testing, reducing execution time. Set up Grid Hub and registered Node machines to run tests remotely. Designed TestNG-based test cases using DesiredCapabilities and RemoteWebDriver to validate execution across different browsers on remote nodes.

[Selenium WebDriver](#) | [TestNG](#) | [Selenium Grid](#) | [RemoteWebDriver](#) | [DesiredCapabilities](#)

Selenium Excel-Driven Testing and File Automation

[GitHub Repo](#)

Built a data-driven automation framework by integrating Apache POI for Excel file handling. Implemented reading/writing logic with condition-based data retrieval and integrated with TestNG DataProvider for parameterized testing. Automated file upload/download workflows using sendKeys, handled synchronized toast messages via explicit waits, and developed dynamic XPath for table validations.

[Selenium WebDriver](#) | [Java](#) | [Apache POI](#) | [TestNG](#) | [Excel](#) | [XPath](#) | [Explicit Waits](#)

Selenium Chrome Dev Tools Protocol Integration Concepts

[GitHub Repo](#)

Integrated Selenium with Chrome DevTools Protocol (CDP) to enhance browser automation. Covered mobile device simulation, network response interception, and blocking unwanted requests. Emulated network speeds, tested failed API calls, handled basic authentication, and logged JavaScript errors for debugging using CDP commands.

[Selenium WebDriver](#) | [Selenium](#) | [Chrome DevTools Protocol \(CDP\)](#) | [Java](#)

Database Connection Selenium Testcases

[GitHub Repo](#)

Integrated MySQL database with Selenium test cases using JDBC API. Covered MySQL setup, server connection, database and table creation, and record insertion. Demonstrated how to connect database information to Selenium for data-driven testing.

[Selenium WebDriver](#) | [Java](#) | [MySQL](#) | [JDBC API](#)

CERTIFICATIONS

Selenium WebDriver with Java – Basics to Advanced + Frameworks – Udemy

[Show Credential](#)

AWS Cloud Quest: Cloud Practitioner

[Show Credential](#)

Docker Training Course - KodeKloud

[Show Credential](#)

12 Factor App – KodeKloud

[Show Credential](#)

Java (Basic) – HackerRank

[Show Credential](#)

SE Intern - HackerRank

[Show Credential](#)



RESEARCH (ONGOING)

Developing a machine learning model to detect narcissistic traits from social media bios, targeting early behavioral risk identification in recruitment. Achieved 86.5% accuracy using Random Forest MultiOutputRegressor. Currently 75% complete and progressing toward publication.

LEADERSHIP

Vice President – Statistics & Computer Science Student Association (UOK)

SPORTS

All Island Best Bowler -Runner Up-2014. Represented Kandy District and Central Province teams in 2015. Active member of the school cricket team from 2012 to 2016.

LANGUAGES

English, Sinhala

REFERENCES

Dr.Thosini Kumarika (Senior Lecturer), Department of Statistics & Computer Science, Faculty of Science, University of Kelaniya.
Contact No : +94703205492.
Email :thosini@kln.ac.lk.

Mr.Dulan Herath
Associate Software Engineer
Pearson
Contact No : +94717615558
Email :dulan.herath@pearson.com.