

Ravindu Haputhanthri

Quality Engineer | Software Engineer – Quality Assurance | ISTQB – CTFL

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PROFILE SUMMARY

ISTQB - CTFL certified Software Quality Assurance Engineer with over 1.4 years of experience testing enterprise-grade applications in the Aerospace and Defense domain. Hands-on expertise in manual, automation, API, database, performance, and release validation testing across Agile and DevOps environments. Proven experience in large-scale legacy-to-cloud UI modernization, CI-integrated automation frameworks, and system-level testing for mission-critical platforms. Strong collaborator with developers, DevOps, and product teams to ensure stable, compliant, and high-quality releases for global customers.

CORE SKILLS

- QA & Agile Practices:** Functional, Regression, Smoke, Exploratory, System, Integration, UAT, API, Database testing, Test planning, Defect lifecycle management, Agile/Scrum ceremonies
- Automation & Frameworks:** Selenium WebDriver (Java), TestNG, JUnit, Cucumber (BDD), Playwright (JS/TS), Page Object Model/Factory, hybrid UI/API automation, parallel & cross-browser execution, Maven, ExtentReports, Selenium Grid, CDP
- Programming & Databases:** Java (OOP, collections, streams), Python, JavaScript, HTML/CSS/Bootstrap, SQL validation (Oracle/MySQL/JDBC), Pentaho Data Integration
- API & Performance Testing:** Postman/Newman, REST, SOAP, GraphQL, OAuth 2.0, API-driven test data, load & performance testing with Apache JMeter, correlation/parameterization, Beanshell scripting
- DevOps & CI/CD:** Jenkins, Bamboo, Git, GitHub, Bitbucket, Docker, Kubernetes, Azure (ACR, File Sync), JFrog Artifactory
- Analytical & Soft Skills:** Problem-solving, requirement validation, data analysis, communication, presentation, Agile collaboration, Continuous Learning

PROFESSIONAL EXPERIENCE

Associate Software Engineer – Quality Assurance

Jul 2025 – Dec 2025

Undergraduate Trainee Software Engineer – Quality Assurance

Sep 2024 – Jul 2025

IFS R&D International, Colombo, Sri Lanka

IFS is a global enterprise software company delivering cloud-based ERP, EAM, and MRO solutions for asset-intensive industries. Worked within the Aerospace and Defense domain, supporting mission-critical aviation maintenance, supply chain, and asset lifecycle platforms used by global customers.

- Completed enterprise QA training covering Selenium automation using Java, Oracle PL/SQL, unit test verification, and automated test suite design.
- Validated a large-scale legacy-to-cloud UI modernization for a mission-critical aircraft maintenance & supply chain platform, executing end-to-end manual testing across smoke, regression, system, exploratory, and UAT scenarios.
- Contributed to Selenium-based automation and regression coverage through test design, execution, and maintenance, supporting CI-integrated test suites.
- Performed API validation, performance, and load testing using Postman and Apache JMeter, along with backend data verification using Oracle PL/SQL.
- Supported deployment, service update, release, and upgrade testing, including artifact validation, environment setup, and post-deployment sanity checks.
- Logged, tracked, and verified high-quality defects in Jira, collaborating closely with developers, DevOps engineers, and product owners to ensure stable releases.

Freelance QA Engineer (Part-time)

Jul 2025 – Present

Upwork

Upwork-Ravindu Haputhanthri

- Delivered freelance QA services for international clients, performing functional, regression, exploratory, and end-to-end testing of healthcare and enterprise web applications. Created test cases, logged and verified defects in Jira, validated UI against Figma designs, suggested usability improvements, and earned the Upwork Rising Talent badge for delivery quality.

EDUCATION

BSc (Hons) - Computer Science

University of Kelaniya, Sri Lanka

Dean's List 2019/2020, 2020/2021

GPA: 3.61

Class: Second Class (Upper Division)

Jul 2021 - Apr 2025

iCET Certified Developer (iCD)

Diploma in Software Engineering

Institute of Computer Engineering Technology (iCET)

Nov 2023 - Nov 2024

PERSONAL PROJECTS

Enterprise Selenium Java BDD Automation Framework

Repository

Designed and implemented a scalable enterprise-grade Selenium automation framework using Java and Cucumber BDD. The framework consolidates advanced concepts including cross-browser execution, data-driven testing, database validation, CDP-based testing, and CI integration. Built for maintainability, reusability, and CI/CD readiness.

Selenium WebDriver | Java | Cucumber | TestNG | Maven | POM | Jenkins | Grid | CDP | Apache POI | JDBC | MySQL | XPath | CSS | JSEExecutor | AutoIT | ExtentReports

Enterprise-Grade API Automation Framework

Repository

Built API automation for REST, SOAP, and GraphQL using Postman and Newman with JavaScript assertions, CSV-driven testing, OAuth 2.0, schema validation, and Jenkins CI reporting.

Postman | REST | SOAP | GraphQL | OAuth 2.0 | JavaScript | Newman | Data-Driven Testing | JSON Schema | Jenkins

Performance Testing – Apache JMeter

Repository

Executed performance and load testing with Apache JMeter using Thread Groups, Controllers, Timers, Assertions, regex correlation, Beanshell scripting, and non-GUI metric analysis.

Apache JMeter | Load Testing | Performance Analysis | Correlation | Regex | Beanshell | Thread Groups | Controllers | Non-GUI Execution

End-to-End ETL Testing & Data Warehouse Validation

Repository

Built and validated ETL pipelines using Pentaho, extracting MySQL and CSV data, applying transformations, loading star-schema warehouses, and validating SQL data quality and SCD Type 1 & 2.

ETL Testing | Pentaho Data Integration | SQL | MySQL | Data Warehousing | Star Schema | Fact & Dimension Tables | SCD Type 1 & 2

Modern Web Automation Framework – Playwright (Ongoing)

Repository

Developing a Playwright-based web automation framework with smart locators, Page Objects, API-assisted flows, network interception, parallel execution, and CI integration.

Playwright | JavaScript | TypeScript | Page Object Model | API Integration | Parallel Execution | Network Interception | HTML Reports | CI/CD | Jenkins

CERTIFICATIONS

- ISTQB - CTFL Credentials
- Selenium WebDriver with Java Credentials
- Cucumber BDD with Java Credentials
- JMeter from Scratch Credentials
- Postman API Testing Credentials
- ETL & Data Warehousing Credentials
- MySQL Certified Associate Credentials
- Docker Training Credentials
- AWS Cloud Quest Credentials

RESEARCH

End-to-End Data Processing and Machine Learning Pipeline

Built a text data processing pipeline with cleaning, TF-IDF and sentiment features, model training (86.5% accuracy), and Flask REST API deployment.

Python | Pandas | NumPy | ETL Pipelines | Data Processing | Feature Engineering | TF-IDF | Flask | REST APIs

LEADERSHIP & SPORTS

- Vice President – Statistics & Computer Science Student Association (UOK)
- All Island Best Bowler Runner-Up (2014); District & Provincial Cricket Teams

LANGUAGES

- English, Sinhala

REFERENCES

Kanchana Jayalath

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Aviation Maintenance Solution, IFS R&D
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