

HARSHA KUMARASINGHA

QUALITY ASSURENCE INTERNSHIP

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[LinkedIn](#) / [Portfolio](#) / [GitHub](#)

PROFILE

I am a motivated Software Engineering student with a strong passion for **QA, test automation, unit testing and performance testing**. Through coursework and projects, I have gained hands-on experience in **software testing, debugging, and automation tools** like **Selenium** and **JMeter**. I am eager to apply my skills in a **QA internship** to ensure software quality and reliability.

PROJECT COLLOABORATION

I've worked on a variety of projects using different technologies, including Java, Python, Next.js, HTML, CSS, JavaScript, ReactJS, Node.js, MySQL, SQL Server, PostgreSQL, Firebase, and MongoDB. My experience spans both front-end and back-end development, allowing me to build full-stack applications efficiently.

- **JobHub Web Application – React.js,Node.js,Express.js,Mongodb**
 - Built a full-stack job-matching platform using React.js, Node.js, Express.js, and MongoDB.
 - Implemented Selenium for frontend automation testing and Postman for backend API validation.
 - Enabled real-time job postings and student registrations with MongoDB database updates.
- **LMS Web Application - React.js ,Node.js,Express.js,Mongodb**
 - Instructor Features: Allows instructors to create, manage, and update courses.
 - Student Features: Enables students to register, enroll in courses, and track progress in real-time.
 - Database Management: Uses MongoDB for dynamic course updates and user data management.
 - Frontend Testing: Tested using Selenium to ensure UI functionality and responsiveness.
 - Backend Testing: Uses Postman for API testing, ensuring seamless backend performance and reliability.
- **Currency Value Web Application - React.js,Node.js,Express.js**
 - Core Functionality: Allows users to search for live currency exchange rates and compare values across multiple currencies.
 - Real-Time Data: Fetches updated exchange rates dynamically to ensure accurate price comparisons.
 - User Experience: Provides an interactive and intuitive interface for seamless currency tracking.
 - Performance Optimization: Optimized for fast data retrieval and efficient API calls.
- **OREL Cooperation EV Charging Mobile and WEB Application – Flutter,Next.js,Node.js,Express.js,PostgreSQL,AWS Cloud Service**
 - Core Functionality: Enables users to locate real-time EV charging stations, check availability, and navigate using Google Maps API.
 - Scalability & Performance: Uses AWS Cloud Services and PostgreSQL to ensure high availability and efficient data management.
 - Mobile & Web Compatibility: Built as a cross-platform application for seamless access across devices.
 - Testing & Automation: Utilizes Selenium for automated testing to improve reliability and performance
- **Portfolio Web Application – Next.js,Tailwind CSS,Firebase**
 - provides a modern, responsive, and dynamic platform to showcase projects, skills, and experiences. It features smooth navigation, optimized performance, and a clean UI for engaging user experience

EDUCATION

BSc (Hons) Software Engineering

CINEC Campus

2022-Present

Advanced Level

Badulla Central Collage

2015-2017

TECHNICAL AND SOFT SKILLS

Technical Skills

- **Database Management:**
 - PostgreSQL | MongoDB | MySQL Server | Firebase
- **Programming Languages:**
 - JavaScript | React | Java | Python
- **Version Control:**
 - GitHub | GitLab
- **Automation Tools:**
 - Postman | Selenium | JMeter
- **Cloud:**
 - AWS Cloud(S3,EC2,Cloud Watch) | Azure
- **Other Tools:**
 - Docker | Jenkins | Selenium | JMeter | Kubernetes | Linux

Soft Skills

- Problem Solving | Teamwork | Communication | Time Management
- Critical Thinking | Adaptability | Collaboration | Attention to Detail

Other Skills

- **Social Media Login Automation:** Automated login functionality tests using Selenium to validate user authentication across different browsers and devices.
- **JMeter Performance Testing:** Developed test scripts to automate load and stress testing for websites, ensuring scalability and performance under heavy traffic.

Qualifications And Certificates

Certifications

- Selenium Fundamentals (Alison)- Focus on **Test Automation**, **Selenium WebDriver**, and **Script Writing**
- AWS Fundamentals (Coursera)- Learn cloud services and **AWS architecture** to support **test automation** in cloud-based applications.
- Python Crash Course (Coursera)
- AI/ML Engineering (SLIIT-Distance Learning)
- Agile Project Management (Coursera)
- Jenkins Project: Building CI/CD Pipeline for Scalable Web Applications (KodeKloud)
- DevOps Pre-Requisite Course (KodeKloud)
- AZ900: Microsoft Azure Fundamentals (KodeKloud)

REFERENCES

Mr. Dhishan Dhammearatchi

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