



HAREEN HELANJITH

ASSOCIATE QUALITY ASSURANCE ENGINEER

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SUMMARY

Detail-oriented Quality Assurance Engineer with experience in test automation and defect tracking. Skilled in designing test cases, validating REST APIs, and ensuring software reliability across web applications. Combines programming knowledge (Java/JavaScript) with analytical problem-solving to identify and resolve issues efficiently. Eager to apply technical and testing skills to deliver high-quality software while expanding expertise in test automation frameworks

WORK EXPERIENCE

Software Engineer Intern

2024 May - 2024 Nov

jWare Automation (Pvt) Ltd

- Played a key role in developing a leading local company's enterprise-level mobile application.
- Developed innovative solutions using Flutter, Laravel, and AWS.
- Engaged in designing and implementing features, testing, debugging, and optimizing software for high performance and reliability.
- Worked in an Agile environment, collaborating effectively with cross functional teams to deliver high-quality solutions.

EDUCATION

Reading for B.Sc. (Hons) in Information Technology

Expected : 2025

University of Moratuwa

- CGPA - 3.08

GCE Advanced Level

2019

D.S.Senanayake College, Colombo 7

- Combined Mathematics-A, Chemistry-A, Physics-B

TECHNICAL SKILLS

- Languages:** Java, JavaScript, Python, C
- Web Development:** SpringBoot, Laravel, React, Node.js, HTML, Bootstrap, Tailwind CSS
- Mobile Development:** Flutter
- Testing Tools & Frameworks:** Selenium
- DevOps and APITools:** Terraform, Docker, GitHub Actions, Postman
- Cloud Tools:** AWS (EC2, S3, IAM, ECR, ECS)
- Database:** MS-SQL, MySQL, MongoDB
- Others:** Data Structures and Algorithms, Object Oriented Programming(OOP), Agile, Git, Linux

RESEARCH PROJECT

Smart AI Assistant for Skin Disease Detection and Ayurvedic Solutions

Final Year Research Project

Ongoing

- Developing an AI-powered system for skin disease detection and Ayurvedic treatment recommendations.
- Enhanced chatbot intelligence with memory retention, enabling continuous learning from user interactions to improve response accuracy and personalization over time.
- Integrated deep learning with conversational AI, ensuring accurate disease-specific Ayurvedic recommendations while optimizing user experience in native language support(Sinhala).

SOFTWARE PROJECTS

Web & API Testing with Playwright & Cucumber [\(link\)](#)

2024

- Built an automated UI & API testing framework with seamless execution, reporting (Allure), and CI/CD integration.
- Developed and maintained structured test cases and automation scripts to ensure application reliability.
- Technologies Used: **Playwright, Cucumber, Maven, JavaScript**
- Role: Quality Assurance Engineer

terraform-aws-explore [\(link\)](#)

2025

- Designed and deployed a scalable containerized web application on AWS ECS using Terraform and Docker
- Provisioned infrastructure including VPC, ECR, and IAM roles while optimizing ECS task definitions for performance.
- Technologies Used: **Terraform, AWS (ECS, VPC, IAM, ECR), Docker**
- Role: DevOps Engineer

StockFlow - MicroServices Project [\(link\)](#)

2025

- Designed and implemented a scalable order management system using microservices architecture, using Java Spring Boot to streamline stock tracking, order processing, and product management.
- Established system-wide monitoring and security infrastructure by integrating centralized performance dashboards and implementing robust authentication across all services
- Technologies Used: **Spring Boot, MySQL, Apache Kafka, Prometheus, Grafana, Keycloak, Eureka, Spring Cloud Gateway**
- Role: Backend Developer

LibraFlow - Simple Library Management System [\(link\)](#)

2025

- Developed a library management system with secure user authentication using JWT and Spring Security.
- Designed RESTful APIs and implemented Spring Profiles for environment-specific configurations.
- Technologies Used: **Java Spring Boot, Spring Security, JWT, MySQL**
- Role: Backend Developer

MediConnect - Healthcare Appointment Scheduling System [\(link\)](#)

2023

- Developed MediConnect, a web application that enables user registration, appointment scheduling, and doctor selection.
- Implemented admin functionalities for task management, user oversight, and system-wide coordination to ensure smooth healthcare operations
- Technologies Used: **MongoDB, Express, React, Node.js**
- Role: Full Stack Developer

RESPONSIBILITIES AND ACHIVEMENTS

- Active Member of University Drama Society
- RealHack 2023 - Organized by the UOK - Participant
- CODE RUSH 2022 - Organized by INTECS, UOM - Participant

REFEREES

Dilini Thushara Kulawansa - Department Of Computational Mathematics
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