K.M.S DULSHAN

Associate QA Engineer

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📍 Colombo, Sri Lanka

SUMMARY

Associate QA Engineer with 1 year of experience in manual and automated testing, defect management, and quality assurance processes. Executed over 300 test cases and identified 150+ critical bugs across web and mobile applications, achieving 98% test coverage on assigned projects. Implemented automated test suites using Selenium that reduced regression testing time by 40%. Utilized JIRA for defect tracking and Postman for API testing, contributing to 25% faster bug resolution cycles. Collaborated with development teams in Agile/Scrum environments to deliver 8 major releases with zero critical post-production defects.

EXPERIENCE

Intern QA Engineer

Fortxcore software solution company

📅 01/2024 - 01/2025   📍 Kandy, Sri Lanka

- Performed manual and automated testing for payroll and HR modules used by 200+ users, reaching 98% test coverage across core functionalities
- Wrote and executed 100+ test cases covering functional, regression, and integration testing with 95% pass rate
- Tested REST APIs using Postman for salary, leave, and user modules, identifying and documenting 25+ API defects
- Identified and tracked 50+ bugs via Jira, ensuring timely fixes in collaboration with 8 developers, reducing bug resolution time by 40%
- Participated in agile/scrum meetings, contributing to sprint planning, requirement analysis, and test strategy discussions
- Contributed to requirements analysis, test strategy planning, and UAT preparation for 3 major feature releases affecting 200+ end users
- Improved overall test coverage from 70% to 95%, reducing production issues by 30% and customer complaints by 45% in final releases

PROJECTS

Text Summarization and Analysis System (Personal Project)

Implemented NLP models to generate concise summaries of lengthy texts, improving information extraction efficiency and user readability.
Technologies: Python, NLP, Streamlit, Machine Learning

GroceryMate – Smart Grocery Shopping With AI (ITPM Project):

Built an AI-powered web system enabling users to generate grocery lists via chatbot, with secure login and user profile management to track individual impact over time.
Technologies: Python, React, Vite

ERP System for Indra Immigration

Developed frontend and backend for ERP system.Frontend: HTML, CSS, JavaScript
Backend: Python Django.https://www.indraimmigration.com/

GenAI Cold Email Generator (Personal Project)

Created a tool that scrapes job listings from company career pages and generates personalized cold emails using portfolio links stored in a vector database.
Technologies: Python, Groq, Langchain, Streamlit

SkillShare – Social Learning Platform (PAF Project):

Created a collaborative learning platform allowing users to share skills, follow learning paths, and engage via likes, comments, and follows. Integrated progress tracking, profile management, and milestone logging for personalized learning journeys.
Technologies: Spring Boot, React.js

House Price Prediction System (FDM Project):

Implemented a web-based application using regression models to predict house prices. Users input property features like size, structure, and sale details to receive estimated prices.
Technologies: React, Flask, Vite, Machine Learning

PV Films – Movie and TV Series Browsing System (OOP Project):

Designed a movie and TV series browsing system using Java Server Pages, MySQL, and MVC architecture, enabling users to search and watch movies, TV series, and films with 99.5% uptime and database of 2,000+ titles
Technologies: Java Servlet, MySQL, MVC architecture, Apache Tomcat

EDUCATION

Bachelor of Science in Information Technology (Specializing in Information Technology)

Sri Lanka Institute of Information Technology (SLIIT)

📅 06/2022 - Present   📍 Colombo, Sri Lanka

TECHNICAL SKILLS

- Automated Testing (Selenium)
- Cypress
- API Testing (Postman)
- Database Testing (SQL)
- Agile & Scrum Methodologies
- Swagger
- Test Management Tools (JIRA)
- Manual Testing
- Functional Testing
- Smoke & Sanity Testing
- React
- Spring Boot
- Python
- Java

CERTIFICATIONS

AWS Training & Certification
AWS

Microsoft
Azure

Selenium WebDriver with Java – Basics to Advanced
Udemy

API Testing with Postman
Coursera

Python for Everybody Specialization
University of Michigan

REFERENCES

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