



**RUSITH SASHIKA**  
**ASSOCIATE SOFTWARE QUALITY ENGINEER**  
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SUMMARY

Highly motivated Software Quality Engineer with a solid foundation in manual and automated testing, poised to make a significant impact in software reliability. Equipped with expertise in test case design, regression testing, and defect management, consistently striving for excellence in quality assurance. Committed to enhancing testing processes and fostering collaboration with development teams to ensure high-quality software delivery. Eager to leverage strong analytical skills and a passion for continuous learning in an Associate Software Quality Engineer role, driving improvements and contributing to successful production-ready releases.

WORK EXPERIENCE

Oct 2024 - Apr 2025

Intern Software Quality Engineer, Swivel Tech

- Developed and executed test cases to validate software functionality and performance.
- Collaborated with development teams to identify and resolve defects efficiently.
- Assisted in the implementation of automated testing frameworks to improve testing efficiency.
- Conducted regression testing to ensure software updates did not introduce new issues.
- Documented test results and provided feedback for continuous improvement.

EDUCATION

<b>BSc (Hons) in Information Technology Specialising in Information Technology</b>	<b>July 2021- July 2025</b>
Sri Lanka Institute of Information Technology Malabe	
Second Class Lower Division	
<b>GCE Advanced Level</b>	<b>Aug 2020</b>
Thurstan College	
<b>GCE Ordinary Level</b>	<b>Dec 2018</b>
Thurstan College	

PROJECTS

- **Research Project - PulseMind: An AI-Powered Web System for Children with ADHD**  
**Key Contributions:**
  - Developed gamified cognitive tasks to assess attention and impulse control.
  - Built ML models classifying ADHD subtypes with 85%+ accuracy.
  - Designed adaptive focus-enhancement tools and reinforcement-driven activity flows.
  - Integrated backend with React frontend for real-time feedback and progress tracking.
  - Proposed emotion-detection integration for adaptive gameplay.**Technical Skills:**  
React.js, Node.js, Express.js, Flask, MongoDB, TensorFlow, Scikit-learn, OpenCV, Docker
- **SMATA Project – Works During Swivel Tech Internship Period**  
**Key Contributions:**
  - Performed regression testing on key modules (Messages, Documents, View Quotes) to ensure stability after updates.
  - Conducted compatibility testing across browsers and devices during multiple UAT cycles.
  - Collaborated with developers via pair testing to expedite issue resolution before releases.
  - Created and executed comprehensive test cases covering functional and business logic requirements.
  - Supported production-ready releases by validating final builds and retesting fixed defects.

Smart Utils Application – Automated Testing

Key Contributions:

- Developed and executed automated end-to-end tests using Playwright.
- Validated core features, UI elements, and data integrity across multiple browsers and devices.
- Enhanced regression testing efficiency and reduced manual testing effort.
- Monitored performance and improved overall test coverage for faster release cycles.

Technical Skills:

Playwright, End-to-End Testing, Regression Testing, UI Validation, Cross-Browser Testing

Project Module Management System – Streamlining Project Assessment

Key Contributions:

- Designed and developed a system to streamline assessment for a year-long university project module.
- Implemented role-based access for coordinators, supervisors, examiners, and students.
- Managed presentations, reports, marks, mark sheets, and research paper records efficiently.
- Ensured scalability, usability, and adherence to security best practices, improving faculty and student workflow.

Technical Skills:

React.js, Node.js, Express.js, MongoDB, GitHub, Version Control, Project Management

Fitness Social Media Platform – Community for Fitness Enthusiasts

Key Contributions:

- Built a web platform to connect fitness enthusiasts and foster community engagement.
- Developed backend services using Spring Boot and integrated with a React frontend.
- Implemented user authentication, profile management, and interactive social features.
- Designed responsive UI for seamless user experience across devices.

Technical Skills:

Spring Boot, React.js, REST APIs, Frontend & Backend Integration, Responsive Design

TECHNICAL SKILLS

Test Case Design	Sanity Testing	SQL	Agile Methodology
Manual Testing	Compatibility Testing	Postman	Python
Bug Tracking	API testing	JIRA	JavaScript
User Acceptance Testing	Functional Testing	GitHub	Javaa

SOFT SKILLS

Analytical Thinking	Time Management
Attention to Detail	Adaptability
Problem-Solving	Teamwork
Communication Skills	Self Learning

REFERENCES

Dr. Prasanna S. Haddela

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