

Piumi Saranga

Associate Quality Assurance Engineer



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🔗 piumi-portfolio-nextjs.vercel.app

🐙 github.com/PS-Ganegoda

I am a **Computer Science** graduate from the University of Colombo School of Computing with hands-on industry experience in software quality assurance. Currently, I work as an **Associate QA Engineer** at *Eleos Web Tech*, where I contribute to real-world projects through comprehensive manual testing and automation testing using Playwright with JavaScript. My background includes a solid understanding of QA methodologies, the software development life cycle (SDLC), and Agile practices. I am proficient in tools such as Postman and basic SQL for test validation, and I am continuously expanding my expertise in automation frameworks like Selenium and TestNG. With a strong foundation in quality assurance and a results-driven mindset, I am committed to delivering high-quality software and advancing my skills within the QA domain.

Education

Bachelor of Science in Computer Science

May 2022 – May 2025

University of Colombo School of Computing

Experience

Associate Quality Assurance Engineer

ELEOS WEB TECH
July 2025 - Current

- **Responsibilities**
- Conducted manual and automated testing for software systems, with a strong emphasis on **Point-of-Sale (POS)** applications, ensuring system reliability and accuracy.
- Developed and maintained **test cases** and automation scripts using **Playwright** and **JavaScript** to validate UI and functional workflows.
- Performed thorough **API testing** to ensure backend integrity and seamless integration between services.
- Collaborated with development teams to identify, report, and track bugs, while supporting continuous improvement in an **Agile environment**.
- Assisted in test documentation including **test plans** and reports, and gained hands-on experience with **Jenkins CI/CD pipelines** and version control using GitLab.
- **Technologies and Tools** - *Playwright, JavaScript, GitLab, Excel, Jira*
- **Testing Types** - *Manual Testing, Automation Testing, API Testing, Functional Testing, UI Testing, Regression Testing, Smoke Testing*

Quality Assurance Intern

PARAQUM TECHNOLOGIES
(PVT) LTD
Nov 2024 – April 2025

- **Responsibilities**
- Performed **manual** and **automated** testing to help ensure the quality of software products.
- Created and ran test cases and basic automation scripts using **Playwright** and **TypeScript**.
- Reported bugs and worked with the development team to help resolve them.
- Supported the creation and updating of test documentation such as **test plans** and reports.
- Participated in weekly progress meetings, scrum meetings, and QA review sessions with team members.
- Gained hands-on experience working in an **Agile environment** and collaborating with QA Engineers.
- Interacted regularly with development teams to clarify requirements and ensure test coverage.
- Acquired a solid understanding of **Jenkins** and **CI/CD pipelines** by observing and assisting in build and deployment processes.
- Participated in **regression testing** and **smoke testing** as part of the release validation process.
- **Technologies and Tools** - *Playwright, TypeScript, GitLab, Excel*
- **Testing Types** - *Manual Testing, Automation Testing, Functional Testing, UI Testing, API Testing, Regression Testing, Smoke Testing*

Projects

TryOnFit - Webstore and Management System

- TryOnFit is an e-commerce platform for clothing that features a virtual fit-on facility to enhance the online shopping experience.
- Contribution:** Led the end-to-end design and implementation of the user interface, ensuring a responsive and intuitive user experience. Integrated APIs and payment gateway, and developed backend functionalities related to customer operations including authentication, cart, and order management.

*Next.js, Tailwind CSS,
TypeScript, NodeJs, Express,
PostgreSQL, Client-Server
Architecture*

Full responsive Next.js Portfolio

- A personal portfolio highlighting modern frontend skills with static typing, responsive design, and fast routing. Deployed on Vercel for optimal performance.

*Next.js, Tailwind CSS,
TypeScript, Vercel*

WoodCraft Furniture - Webstore and Management System

- WoodCraft furniture is a webstore and management system for browsing/purchasing furniture and managing production and inventory.
- Contribution** - I designed the user interface, implemented the customer order cart with authentication, and developed the checkout page to ensure a smooth and secure purchasing experience.

*HTML, CSS, Php, MYSQL, MVC
Architecture*

Soft Skills

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|------------------------------|----------------------|-------------------|
| • Self-Learning | • Project Management | • Time Management |
| • Good Communication Ability | • Team Player | • Adaptability |
| • Problem Solving | • Creative Thinking | • Leadership |

Technical Skills

- Automation Tools:** Playwright, Selenium
- Programming Languages:** Java, C/C++, PHP, Scala
- Web Development:** TypeScript, JavaScript, ReactJS, NextJS, TailwindCSS, NodeJS, ExpressJS
- Databases:** MySQL, PostgreSQL
- Design Tools:** Figma
- Project Management Tools:** Trello, Bitrix24
- Other:** Git, GitLab, Postman

Certifications

- Advance Playwright**, Test Automation University
- Codeless Test Automation with Selenium IDE**, Test Automation University
- CI CD for Beginners**, Simplilearn
- Cloud Computing For Absolute Beginners**, CoDeKu DevOps Academy
- Getting Started with Jenkins**, Simplilearn
- Software Testing Foundation: Transitioning From Manual to Automation**, LinkedIn
- Agile Testing**, LinkedIn
- Programming Foundation - Software Testing/QA**, LinkedIn
- Java For Beginners**, Alison
- AWS Educate Introduction to Cloud 101**, Amazon Web Services

References

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