

Kumuthu Vinsura

QUALITY ASSURANCE ENGINEER (ISTQB® CERTIFIED)

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Personal Statement

As a ISTQB® certified Quality Assurance Engineer with strong foundation in software testing principles I aim to level up my career through extensive personal and professional development. With experience in testing methodologies and techniques, along with proven records of problem-solving, I am confident in my ability to make a valuable contribution wherever I choose to work. As a team player with excellent communication skills, I am excited to collaborate with cross-functional teams and deliver high-quality software solutions.

Work Experience

The A.I. Team (Private) Limited

Angoda, Sri Lanka

Quality Assurance Engineer

Dec 2023 - Mar 2024

- Drove quality assurance initiatives for a diverse range of projects, ensuring seamless collaboration with cross-functional teams:
 - **Atticus.io:** I led efforts to improve testing methods for Atticus.io's core features developed by the AI Team. Atticus.io is a platform relied upon by over 15,000 authors for book authoring. By implementing a thorough strategy, I boosted the acceptance rates of features, demonstrating my knack for steering projects to success and delivering reliable.
 - **Lynn.chat:** I led quality assurance for Lynn, an AI-Powered Support Assistant, with rigorous testing protocols that significantly reduced post-launch issues, improving user experience and reliability. My contributions were:
 - ★ Supported the development of payment features within Lynn by aiding in solution implementation and test automation of payment proceedings within Lynn by leveraging Stripe's capabilities.
 - ★ Documented implementation processes and findings meticulously, ensuring clear understanding and future reference for the development team.
 - ★ I had the opportunity to dive into LLM testing and solution implementation aimed at reducing hallucinations.This proactive approaches enhanced the reliability of the product and security of payment transactions, contributing to a seamless user experience.
 - **Wellro Wellness:** Led quality assurance strategies for Wellro Wellness, a telemedicine solution, ensuring smooth integration and functionality across multiple platforms.
 - ★ Resolved a persistent bug within the payment solution on the mobile platform, significantly enhancing the overall user experience and client satisfaction.
 - ★ Additionally, provided level 2 support to users, addressing their concerns promptly and effectively.
 - ★ Leveraging software engineering skills, contributed to the implementation of key features within the project.
 - **Are You Ready:** I provided critical quality assurance support for "Are You Ready," a bespoke virtual career fair platform designed for organizations hosting career fairs. My key contributions included:
 - ★ Testing and verifying complex algorithms that built for interview matchings to ensure they effectively reduced interviewing efforts, thereby streamlining the recruitment process and aligning platform features with organizational needs accurately.
 - ★ Assisting in refining the platform for seamless performance and reliability during lockdowns, facilitating uninterrupted career fair execution in virtually in challenging circumstances like lockdowns.This approach resulted in a significant in organizational efforts, underscoring the platform's effectiveness.

Leveraged leadership and attention to detail to uphold quality standards throughout the software development life-cycle, significantly enhancing product reliability and user satisfaction.

- **Technical Skills:** Cypress, Jest, Jira, Zephyr, Angular, Flutter, Scripting, Git.
- **Soft Skills:** Teamwork, time management, communication, presentation skills, documentation skills.

The A.I. Team (Private) Limited

Angoda, Sri Lanka

Intern Quality Assurance Engineer

Sep 2022 - Dec 2023

Buost Asia (Private) Limited

Nugegoda, Sri Lanka

Project Based - Web Developer

Jun 2021 - Sep 2022

- Engaged in various web development activities, continuously enhancing skills and knowledge in creating dynamic and user-friendly digital experiences.

Skills

Quality Assurance	Manual test case writing, test planning, root cause analysis with hands-on experience in test automation.
Programming Languages	Java, JavaScript, Typescript with foundational understanding in Dart and C++
API/Test Automation Tools	Postman, Cypress and Jest with foundational understanding in Cucumber, Selenium and JMeter
Databases	NoSQL, Working knowledge in MySQL
Tools	Git, Jira, Firebase, BigQuery, VSCode and JetBrains IDEs (IntelliJ IDEA / WebStorm)
Documentation	Proficient in accurately documenting testing processes, features, findings, and recommendations.
Miscellaneous	Web design and development, graphic design, SEO, competitive programming and problem solving

Languages

English Professional proficiency

Sinhala Native proficiency

Education

General Sir John Kotelawala Defence University

Ratmalana, Sri Lanka

Undegraduate (BSc (Hons) in Computer Engineering)

Feb 2020 - Dec 2023

- Currently holding a cumulative GPA of 3.2 and entered the Dean's List in the year 2020.

Projects

Wave - A Call Centre and Symptoms Data Gathering Application for Covid-19

Ratmalana, Sri Lanka

SLMA & Medical Faculty of University of Colombo

Apr 2022 - Jun 2022

- I played a crucial role in overcoming the SLMA's struggle to manage the high volume of calls concerning Covid-19 symptoms. By developing an effective solution within the Wave application, we significantly decreased call volumes and improved decision-making reliability.
- **Technical Skills:** Quality Assurance, PWA, VueJS, IndexedDB and NodeJS.
- **Soft Skills:** Time management, teamwork, pitching skills, report writing.

UxVote - Blockchain Based E-voting System

Ratmalana, Sri Lanka

General Sir John Kotelawala Defence University

Feb 2021 - Oct 2021

- Addressed critical data storage and verification challenges in the e-voting via blockchains, ensuring voting process integrity and security.
- **Technical Skills:** Solidity, ReactJS and NodeJS.
- **Soft Skills:** Leadership, time management, teamwork, presentation skills, report writing.

EUCEBRAB - Wearable Device that Aid in Smoking Cessation

Ratmalana, Sri Lanka

General Sir John Kotelawala Defence University

Mar 2023 - Dec 2023

- Played a pivotal role in devising the Minimum Viable Product (MVP) for identifying smoking cessation using data processing and state machines. Leveraged gesture analysis and heart rate monitoring to make decisions based on monitored heart rate levels.
- **Technical Skills:** Pandas, VanillaJS, NodeJS, BigQuery and NodeJS.

Publications

CONFERENCE PROCEEDINGS

EUCEBRAB – Effective Identification and Cessation of Tobacco Consumption using Gesture Analysis

BAK Vinsura, RM Aratchige, B Hettige

International Research Conference of General Sir John Kotelawala Defence University (KDU IRC 2023), 2023, Ratmalana, Sri Lanka

UxVote – Blockchain-Based E-Voting System for Secure Electronic Voting

BAK Vinsura, RMVD Bandara, B Hettige, ADAI Gunasekara, GAI Uwanthika

International Research Conference of General Sir John Kotelawala Defence University (KDU IRC 2022), 2022, Ratmalana, Sri Lanka

Achievements

2020 **IEEE Innovation Nation Sri Lanka (INSL) - Pre Accelerator**, Finalist

Sri Lanka

2020 **Eve of Accolades**, Distinction Award for the Best Performer of the Year | United Nations Study Circle of RCG

Sri Lanka

Volunteering Experience

IEEE Young Professionals (Global)

New Jersey, United States

IEEE Young Professionals Global Leadership

Feb 2024 - Present

- Webmaster - IEEE Young Professionals Global Web Team

Other than that, I have held leadership roles in both national/section-level and university-level organizations, including IEEE and BCS.

References

- Mr. Pasindu Wijesena
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- Dr. Asela Gunasekara
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Thank you for your consideration.