Kupeshanth Kupenthiran
Quality Assurance Engineer (Automation)

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A detail-oriented and highly motivated QA Engineer with hands-on experience in manual and automation testing, ensuring high-quality software solutions. Proficient in Selenium, Cypress, and Postman, with expertise in functional, regression, performance, API, and UI testing. Adept at working within Agile environments (Scrum, Kanban) and integrating CI/CD pipelines for seamless automation. Passionate about optimizing test processes, improving software performance, and delivering an enhanced user experience

SKILLS

- **Programming Languages:** C, Python, Java, JavaScript, SQL
- **Web & Frameworks:** React JS, Angular, Bootstrap, Spring Boot, Node JS, Express JS
- **Testing Tools:** Selenium WebDriver, Pytest, Cypress (JavaScript), JMeter, Postman
- **Project Management & DevOps**: JIRA, Confluence, , GitHub/GitLab, Jenkins, CI/CD Pipelines
- **Testing Expertise:** Manual Testing, Automation Testing, API Testing, Performance Testing, SDLC & STLC

PROFESSIONAL EXPERIENCE

Cerexio   **(March 2024 – September 2024)**

Intern Software Engineer & QA Engineer

Roles and Responsibilities:

- Performed manual and **automated** testing for **Angular** applications using the PrimeNG library.
- Designed and executed **test cases** for bug tracking and issue resolution using **JIRA**.
- Conducted front-end UI testing and **API testing** using **Postman**.
- Assisted in setting up and maintaining test **automation** frameworks.
- Collaborated with developers and **QA teams** to ensure software **quality**.
- Managed **defect tracking** and reporting in **JIRA**, ensuring timely issue resolution.
- Participated in **Agile** ceremonies, including daily stand-ups, sprint planning, and retrospectives.

EDUCATION

B.Sc. (Hons.) In Information Technology & Management
University of Moratuwa |
2021 - present

Open Learning Platform UOM (2023)
Completed Web Design for Beginners and Front-End Web Development course
Completed Python For beginners and Python for Programming course

G.C.E. Advanced Level -2019
Kn / Mulankavil maha vidyalayam
B B C (Combined Mathematics)

PROJECTS

Diabetic Retinopathy Detection System (Ongoing)
- Developing an AI-powered **chatbot** for symptom analysis and stage identification.
- Advanced **machine learning and natural language processing** (**NLP**) techniques enhance diagnostic accuracy.
- Technologies: **Python, AI, Machine Learning, NLP, React.js**

Singer Page Testing Application
- Built a sample web application for a singer's webpage, integrating **automated testing** frameworks.
- Implemented **Serenity** and **Cucumber** for behavior-driven development (**BDD**) and automated testing.
- Technologies: **Serenity, Cucumber, Java, Selenium WebDriver**

Automation Project Using Python, Pytest
- Designed and developed an **automated** testing framework to execute structured test cases efficiently.
- Implemented **Selenium** and **Pytest** for robust test automation and validation.
- Technologies: **Python, Selenium, Pytest**

UI Automation Project Using Playwright
- Designed and developed an automated testing framework to execute structured test cases efficiently. Implemented **Playwright** and **JavaScript** for robust test **automation** and validation.
- Technologies: **Playwright, JavaScript, Node.js**

Employee Management System (Leval 2-Software Project)
- Developed an asset management module and report generation functionalities for **Hasthiya IT.**
- Designed a scalable and responsive system using modern web technologies.
- Technologies: **Vue.js, Node.js, MongoDB**

Automatic Tea Powder-Making Machine (level 1- Hardware Project)
- Engineered an automated tea-making system using an **ATmega32** microcontroller and integrated ultrasonic and temperature sensors.
- Programmed sensor functions using AVR-C in Atmel Studio for precise control and automation.
- Technologies: **ATmega32**, **Ultrasonic** Sensors, **Temperature** Sensors, AVR-C, Atmel Studio

SOFT SKILLS

- Attention to Detail
- Analytical Thinking
- Problem-Solving
- Communication Skills
- Teamwork & Collaboration

- Adaptability & Quick Learning
- Time Management & Prioritization
- Critical Thinking
- Perseverance & Patience
- Leadership & Proactiveness

NON - RELATED REFEREES

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