Maryann Wanjiru

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📍 Nairobi

⚧ Female

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📞 0791020406

📅 12-02-2003

⚭ Single

🔗 https://my-portfolio-maryann-wanjirus-projects.vercel.app/

Profile

Detail-oriented QA specialist and developer with a background in Applied Computer Science. Experienced in manual testing, bug tracking, API testing, and automation . Skilled in writing clear documentation, reproducing complex bugs, and collaborating with cross-functional teams to ensure quality releases.

Contributed to research and innovation, including a published paper on carbon emissions mitigation using machine learning. Passionate about building and testing systems that are reliable, efficient, and impactful.

Professional Experience

10/2024 – 07/2025
Nairobi, Kenya

Quality Assurance Engineer
- Performed manual and exploratory testing across the platform workflows
- Reported and tracked bugs using Jira; collaborated with developers to verify fixes and prevent regressions
- Automated core tests using Playwright to streamline regression testing
- Conducted UATs and collaborated with stakeholders to validate end-to-end platform functionality
- Conducted API testing using JMeter to validate performance and response integrity

10/2023 – 05/2024
Kisii, Kenya

Machine Learning Researcher
Cloud Pioneers Coding Hub
- Co-developed a machine learning model for tracking and mitigating carbon emissions, from concept to implementation
- Led data preprocessing, model training, and evaluation of real-world environmental datasets
- Co-authored and published the paper *"AI-Driven Carbon Emissions Tracking and Mitigation Model"* with IEEE (2024)
- Contributed to documentation, performance tuning, and aligning technical outcomes with sustainability goals
- Collaborated with a multidisciplinary team across research, development, and academic publishing

01/2023 – present
Nairobi, Kenya

Freelance Web Developer
- Designed, developed, and deployed responsive websites for clients across agriculture and SME sectors
- Delivered clean, user-friendly interfaces and ensured proper functionality across devices

05/2023 – 09/2023
Nairobi, Kenya

IT Intern
New KPCU PLC
- Revamped the company's website to improve layout and content flow
- Assisted in setting up and maintaining internal network systems and basic IT infrastructure
- Handled data entry, backup, and organization tasks to support business operations
- Gained practical experience in both frontend web development and general IT support

Education

| 09/2020 – 04/2024 | **Bachelor of science in Applied Computer Science** |
| Kisii, Kenya | *Kisii University* ⧉ |

| 01/2016 – 11/2019 | **Kenya Certificate of Secondary Education** |
| Othaya, Kenya | *Chinga Girls High School* ⧉ |

Skills

Quality assurance & testing
Manual Testing ‖ Regression Testing ‖ API Testing (JMeter, Postman) ‖ Automation (Playwright) ‖ Bug Reporting (Jira) ‖ Test Documentation (Excel) ‖ UAT Coordination

Tools and platforms
Jira ‖ Confluence ‖ Notion | Google Workspace ‖ Postman ‖ JMeter ‖ Playwright ‖ Canva ‖ Trello

Technical & development
React ‖ React native ‖ PHP ‖ Python ‖ Jenkins (build/test triggers) ‖ Kubernetes ‖ Machine Learning ‖ Large language models ‖ Computer vision ‖ Dart

Soft Skills
Attention to detail ‖ Leadership ‖ Cross-team collaboration ‖ Clear communication ‖ Time Management ‖ User-Centered Thinking

Certificates

- KAPS-Hackathon 2023 ⧉
- Climate change & sustainability 2024 ⧉
- Published Author – IEEE 2024 ⧉
- Class Representative (Applied Computer Science) 2020-2024
- ICP inter-university hackathon 2024 ⧉
- Best Innovator Award 2024 ⧉
- Kisii University Computing Students Association (KUCSA) Membership 2020-2024

References

Joshua Waithira, *Lecturer & technician,* Kisii University
0703834453

Kenneth Ndiritu, *Quality Assurance Engineer,* SOLV, Kenya
0733908630