

Brian Kibiwott Tanui

[Email Address](#) | [Phone](#) | [LinkedIn](#) | [GitHub](#)

Professional Summary

I'm a dedicated Software Engineer and Quality Assurance Engineer with a strong background in building, testing, and maintaining enterprise grade software systems. My experience spans the full software development lifecycle from requirements, analysis and design to automation testing and performance optimization. I'm passionate about delivering reliable, high-performing solutions through robust QA practices, continuous integration and cross-functional collaboration. Driven by a commitment to excellence, I focus on using automation and scalable engineering practices to enhance quality, efficiency, and user experience. I thrive in dynamic tech environments where precision, innovation, and teamwork lead to measurable results.

Technical skills

Programming Languages: JavaScript, TypeScript, Python, C#

Frameworks and Libraries: Node.js, Express.js, Nest.js, Next.js, React.js, Django

Testing and Quality Assurance: Jest, Mocha, Cypress, Selenium WebDriver, Postman, Newman, JUnit, Cucumber,

Automation and CI/CD Tools: Jenkins, GitHub Actions, GitLab CI, Docker, Kubernetes

Cloud Platforms and Deployment: AWS and Microsoft Azure

Development Methodologies: Agile (Scrum/Kanban), Waterfall, Test-Driven Development (TDD), Behaviour-Driven Development (BDD)

Performance & Security Testing: JMeter, LoadRunner, OWASP ZAP, Jest

Professional Experience

Quality Assurance and Quality Engineering Trainee

Teach2Give, Nyeri, Kenya

Sept-Nov 2025

- Designed and implemented RESTful APIs and automated end-to-end testing for enterprise-grade web applications.
- Developed and maintained CI/CD pipelines using Jenkins and GitHub Actions to streamline release cycles.
- Conducted functional, regression, and performance testing using Cypress, Selenium, and Postman.
- Collaborated with developers, QA analysts, and product owners to resolve defects and optimize application performance.

Intern Software Engineer

Teach2Give, Nyeri, Kenya

Feb-May 2025

- Completed an exclusive training and practical program focused on modern full-stack development using the MERN (MongoDB, Express.js, React, Node.js) and PERN (PostgreSQL, Express.js, React, Node.js) stacks.

- Collaborated with developers and mentors on building scalable, user-centred web applications from design to deployment.
- Implemented reusable components and RESTful APIs to support dynamic front-end functionality and data persistence.
- Practiced version control and agile collaboration through GitHub, and daily stand-ups, improving sprint delivery and teamwork.
- Gained foundational experience in test-driven development (TDD), code reviews, and deploying applications using Docker and CI/CD pipelines.

EDUCATION

Bachelor of Science in Information Technology <i>Dedan Kimathi University of Technology, Nyeri, Kenya</i>	2022-2025
Certificate in Software Development <i>EmobilisKenya Educators, Remote</i>	2024
Certificate in Software Engineering <i>Teach2Give Academy, Nyeri, Kenya</i>	2025
Certificate in Quality Assurance & Quality Engineering <i>Teach2Give Educators, Nyeri, Kenya</i>	2025

Certifications

Software Engineer Certificate	Teach2Give
Software Development Certificate	EmobilisKenya
Quality Assurance & Quality Engineering Certificate	Teach2Give
Microsoft ADC Software Security Specialist	Cybershujaa
Career Essentials in Generative AI Learning	Microsoft & LinkedIn
Linux Essentials Certification	Cisco
Atlassian Agile Project Management Professional Certificate	Atlassian University

Languages

English -Fluent
Swahili - Fluent

