



KENEDY MAINA

Junior Quality Assurance Engineer

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Summary

I am an enthusiastic, passionate and self-motivated junior Quality Assurance Engineer in search of experience working in an agile team environment. Ready to build valuable products that solve user problems, and eager to continue learning and developing new skills. I believe in the power of well written code to make a positive impact on the world.

Technical skills

I have knowledge and experience in the following languages, frameworks & tools

Jest, Jasmine, Cypress, Postman, Typescript, JavaScript, Nodejs, Expressjs, Angular, React, HTML, CSS, Bootstrap5, SQL SERVER, MySQL, Git/Github, Figma, postman,

Projects

Sports club system

- This is my first fullstack project created with the Django framework from python. It uses **sqlite3** database and utilizes **Bootstrap5, html & CSS stylesheets** for the front end development.
- The project manages and registers members to the club, Has an inventory for adding and managing store items such as sports equipments

Checkout my repository: https://github.com/kennynet66/Sports_club-system

Shopie

This is an ecommerce website built on the Angular framework for the frontend, Expressjs for the backend and MSSQL for the Database. It allows its users to seamlessly shop for items online. In this project I worked on it as part of a team where my main role was as a QA Engineer and wrote unit tests for the Backend using Jest and Cypress for end to end testing for Angular components.

Challenges we faced creating Shopie

The greatest challenge we faced while working on this project was time management since we were running on a tight deadline. We overcame this challenge by taking extra hours to work on the project and consulting other team members when I am stuck.

Puddle

Puddle is a marketplace project that I have been working on using nodejs and Expressjs. It has some few key features that I have implemented:-

- A cart
- An **admin** site which is crucial for site management and offers features such as adding, deleting and updating products & managing user profiles.
- A **client** side which is the side the users interact with to browse products, add products to their carts and also checkout products

Puddle utilizes third party services such as OAuth for authentication, MongoDB for the database. This is my second solo full stack project and so far my favorite. Puddle has equipped me with necessary skills to build scalable backends and user friendly and responsive front ends. I look forward to deploying the site in early 2024.

Challenges I faced creating Puddle.

What is success without its ups and downs? While creating Puddle I have faced several challenges, the main one being lack of technical mentors. Working on such a big project on my own seemed impossible when beginning since I lacked a technical mentor to hold my hand and teach me the tricks and tips of writing better code and also encouragement.

Github Link: https://github.com/kennynet66/puddle_marketplace

Specialty

This is a solo project aimed to enhance my Automated testing skills. This project's Frontend is built on Angular Framework and the Backend on express js and MSSQL for the database. Being a full stack project, I came up with test cases for the backend unit tests to make sure I delivered a quality product.

Experience

UI/UX Researcher & Designer

I worked as part of an agile team in creating an application for funding children's education and providing educational content/materials.

Roles and duties

- I served as a UI/Ux Researcher
- I served as a UI/UX Designer
- I conducted user interviews

- As part of the team's culture we took turns in some roles to gain experience in the field so I took part as the project manager

FullStack Developer

In my project *sports club system, puddle marketplace &*

Roles and Duties

- Code debugging.
- Designing fully responsive and user-friendly front-ends
- Database creation and maintenance.
- Back-end development

Fullstack Engineer

In one of the private projects I worked as a backend Engineer and frontend. I worked mainly using Expressjs, Nodejs, JavaScript, html, css, tailwind css & mongodb.

Roles and duties

- I was assigned the group leader role so I worked on organizing team meetings, sending notification emails for emails, creating & designing meeting slides.
- I worked closely with the cybersecurity expert to implement an authentication system
- Created a database to store information such as user login and sign in details
- Write and manage server code

Education

I completed my High school education in the year 2022. I then pursued a certificate in Computer Hardware and Maintenance at NyeriTech Computer College for 6 months. Early 2024 I joined a 3 training program offered by Teach2Give for the QA/QE cohort

What I do when I'm not coding

- Listening to Lofi radio.
- Long walks.
- Outdoor activities such as watching and playing soccer