Florence Wangui
Software QA Engineer

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PERSONAL STATEMENT

Diabetes management and awareness are pivotal in today's healthcare landscape. Florence is deeply committed to leveraging technology to transform the accessibility and effectiveness of healthcare solutions. She aspires to play a central role in developing high-quality healthcare platforms that significantly enhance the management of diabetes and other conditions. By ensuring these platforms deliver precise information and an exceptional user experience, Florence envisions a future where technology drives substantial improvements in health outcomes and fosters a more informed and healthier community.

PROFESSIONAL EXPERIENCE

JANUARY 2024 - MAY 2024
Antara Health, Nairobi Kenya - *Software Quality Assurance Engineer*

- Led bug triaging in the BNF Pipeline and IT Help Desk channel, ensuring thorough sanitization and review for closure.
- Efficiently reproduced, assigned, and updated the status of bugs to maintain project timelines and quality standards.
- Actively engaged in test documentation processes, including the creation and maintenance of test plans, test cases, test scenarios, and test summary reports.
- Developed and executed comprehensive test plans and scenarios for various system components, following best practices and guidelines.
- Conducted manual tests using Lambda virtual devices, providing detailed feedback and ensuring high-quality outcomes.
- Rigorous testing while providing detailed feedback through test summary reports, and played a key role in successful product launches.
- Successfully identified and prevented critical regression bugs, contributing to improved product quality and timely releases.
- Comprehensive API testing to ensure functionality, reliability, and performance across various scenarios while effectively consuming the APIs.
- Contributed to major projects during sprints, involving thorough PRD reviews, design assessments, test case development, and extensive testing in the testing environment and Production.
- Managing projects from planning to release, ensuring a deep understanding of project requirements and effective stakeholder communication.

SKILLS

- Ability to implement Continuous Integration / Continuous Development (CI/CD) workflows for troubleshooting and full automation of Continuous integration testing.
- Expertise in performing Functional, Regression, Integration, and System Testing, including Black Box and White Box Testing methodologies, within manual testing processes.
- Strong understanding of vanilla JavaScript and modern ES6+ features, with experience in React Framework while incorporating concepts such as Data structures, Document Object Models (DOM) and CRUD operations for building dynamic user interfaces.
- Ability to write unit tests for APIs both using Pytest in Django and Jest in JavaScript.
- Ability to ability to apply appropriate architecture patterns to design and develop scalable and maintainable applications.
- Ability to apply concepts in Django such as the Django project structure, URL routing, and defining models for creating functional server-side web applications.
- Capable of building RESTful APIs using Django REST Framework while managing and administering the database with PostgreSQL.
- Experience in integrating front-end applications with RESTful APIs, handling asynchronous data fetching and state management.
- Ability to implement Swagger documentation and API Collection to document and test APIs.
- Basic understanding of using Agile methodologies and product life cycles.
- Capacity to conduct desk research, gather primary data through interviews and surveys, and employ empathy mapping techniques.
- Great understanding of using GitHub workflows and Git for collaborating on team projects.
- Proficient in Using JIRA and TestRail for Effective QA Management and Tracking.

EDUCATION

FEBRUARY 2023 - DECEMBER 2023
AkiraChix, codeHive
Diploma in Information and Technology

RELEVANT COURSES
Back-End Development
- Python
- Django REST framework
- PostgreSQL Database

Front-End Mobile Development
- Kotlin
- Android Applications
- Room Database
- MVVM Architecture

Front-End Web Development
- JavaScript
- HTML/ CSS
- React Framework
- Next.js

Data Science
- Linear Regression
- Machine Learning
- Natural Language Processing

PROJECTS

MzaziConnect:
This is a platform that helps parents in Kenya to easily access CBC required learning resources to boost their engagement in their children's learning.
MzaziConnect Project Link

Billz:
A bill management app that will help one to keep track on their upcoming weekly, monthly and annual bills.
Billz App Link

Mama Greens Kiosk:
This is an online grocery app that helps the vendor to boost her sales, attract more customers and make it easier for the customers to access groceries easily.
Mama Greens Link

REFEREES

Linda Kamau
Founder and Executive Director, AkiraChix
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Julius Kabangi
Co-Founder & Head of Engineering, Antara Health
Email: juliuskabangi@gmail.com