Bryson Nyamwange

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PROFESSIONAL SUMMARY

I'm a full-stack engineer with 1 year of experience in developing web, and desktop applications and I'm passionate about leveraging innovative technology in Artificial Intelligence and Machine Learning. I'm also proud to have graduated in the top 5% of the ALX Tech program and selected for the Gold Fellowship program at The ROOM.

PROFESSIONAL EXPERIENCE

FullStack Developer, Badili Innovations   **May 2023 - July 2023**

- Designed and developed an online portal to host multi-lingual disease manuals both in English and Swahili using Django, React, and MySQL.
- Embedded a rich text editor on the portal to enable editing of the manuals, making it easy for users to edit and add manuals.
- Developed an API for 3rd party applications that were used to retrieve the manuals and expose them to the user through the Web. The API also ensured that they were accessible to the Mobile application and to the Machine learning models.

User Experience Testing, Stax   **Oct 2022 - April 2023**

- As an open-source user experience tester, I tested the app's beta release and reported any bugs a user might experience. This improved the user experience and navigation of the app.
- Conducted automated and manual tests on the Stax App that helped eliminate bugs that had not been identified.
- Tested new releases for bugs which helped make the app user-friendly and secure.

EDUCATION

Technical University of Kenya
BSc. Mathematics
ALX Software Engineering Track, Software Engineer, Feb 2022 - March 2023
Google Africa Developer Scholarship (GADS), Web Developer June 2021 – Feb 2022

PROFESSIONAL SKILLS

Languages: HTML5, CSS3, Python, JavaScript, SQL, Typescript

Frameworks: Django, React, Node.js

Tools and Others: Git, GitHub, GraphQL, Bootstrap, Docker, AWS, GCP, Kubernetes, CircleCI, Terraform, MySQL, Cloud formation, Helm, Linux & Full-Stack development.

PROJECTS

[Personal website](#) For any additional information and projects

[Farming Assistant](#) Fullstack application built using React, Node, and MongoDB.

[Deploy a Microservice](#) - Deploy a machine learning application using Kubernetes.

[Infrastructure as code](#) - Deploy a high-availability web app using CloudFormation.

[Build CI/CD pipeline, Monitoring & Logging](#) - Implement a pipeline, perform a blue-green deployment & perform monitoring using Prometheus.