Bryson Nyamwange

brysonnyamwange@gmail.com +254713015955 | https://www.linkedin.com/in/nyamwangeb/| Nairobi, KE | https://github.com/brysonwaisi

PROFESSIONAL SUMMARY

I'm a full-stack engineer with 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

Software Engineer, Kitrel LLC   **Sep 2023 - Present**
- Creating automation on the cloud provider using the build and release process.
- Design and implement monitoring and Logging using Prometheus, Grafana, and ELK stack
- Experience with databases including working knowledge of SQL and NoSQL databases
- Working closely with developers for application development and deployment(Microservices)
- Experience with provisioning and IaC tools like Terraform and Cloudformation.
- Develop and maintain complex sites using Node.js and related technologies.
- Create test plans and write unit and functional tests.
- Optimize applications for maximum speed and scalability.
- Perform code reviews of other team members' code, ensuring timely and constructive feedback to colleagues' contributions.
- Ensure that all deliverables meet the highest standards of quality.
- Write and review technical documents covering the design and implementation of features.

FullStack Developer Consultant, Badili Innovations   **May 2023 - July 2023**
- Design and develop an online portal to host multi-lingual disease manuals in English and Swahili using internationalization in React and Django.
- Embed a rich text editor on the portal to enable editing of the manuals, making it easy for users to edit and add manuals.
- Develop an API for 3rd party applications used to retrieve the manuals and expose them to the user through the Web. The API also ensured they were accessible to Mobile applications and 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, improving the app's performance and usability.
- 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: Python, JavaScript, SQL, Typescript
Frameworks: Django, Node.js, Express
Tools and Others: Git, GitHub, GraphQL, Docker, AWS, Kubernetes, CircleCI, Terraform, Helm, MySQL, MongoDB, Cloud formation, Linux & Full-Stack development.

PROJECTS

Personal website For any additional information and projects

Farming Assistant Fullstack application built using React, Node, Express, and MongoDB.

Deploy a Microservice - Deploy a machine learning application using Kubernetes.

Build CI/CD pipeline, Monitoring & Logging - Implement a pipeline, perform a blue-green deployment & perform monitoring using Prometheus and Grafana.