

Bernice Waweru

+254797044167 | wanguiwawerub@gmail.com | github.com/wanguiwaweru | linkedin.com/in/wangui-waweru-bernice

WORK EXPERIENCE

Software Engineer, Intern	Living Goods	January-May 2023
----------------------------------	---------------------	-------------------------

- Built data pipelines using Apache Nifi to extract, transform and load data from Couch DB to PostgreSQL.
- Improved end user experience on dashboards by decreasing the time taken to sync data using python scripts and optimized SQL queries.
- Created configurations for the Living Goods mHealth platform using XLS forms and JavaScript.
- Collaborated with stakeholders to gather requirements, design and develop workflows for the mHealth platform.

Software Engineer, Intern	Microsoft	May-July 2022
----------------------------------	------------------	----------------------

- Used FastAPI and Python to build a service that utilizes machine learning and computer vision to generate texts for images increasing accessibility.
- Integrated the service with other products in the company impacting 300M users.
- Performed load testing and app monitoring for the service ensuring it scaled efficiently to handle traffic spikes.
- Collaborated with program managers to understand different products and organize an intern hackathon.

Software Engineer, Intern	Whip Music Africa	January- March 2022
----------------------------------	--------------------------	----------------------------

- Used React to improve app interactivity by allowing users to add posts and comments.
- Used Docker to build and deploy containers increasing developer collaboration and efficient feature deployment.

Software Engineer, Intern	Real Biz Digital	May-July 2021
----------------------------------	-------------------------	----------------------

- Used Django to build an internal web app for conducting surveys.
- Implemented social logins and social share functionality of survey links via email and social media.
- Added confirmation messages for survey respondents.
- Automated email notifications for submitted survey forms.
- Facilitated adoption of the web app by creating documentation and performing trainings across teams.

EDUCATION

Jomo Kenyatta University of Agriculture and Technology	<i>Fall 2016-2022</i>
---	-----------------------

B. Sc. Telecommunication and Information Engineering	GPA 3.5
--	---------

Relevant Coursework: Object Oriented Programming, Database Systems, Operating Systems, Computer Networks, Distributed systems, Network Security.

PROJECTS

Expense Tracker

The application helps users track their expenses and provides a visual and comprehensive overview of their expenditure. Used JavaScript, React and Material UI in this [project](#).

Cyberbullying Detection

A sentiment analysis and classification API that detects cyber bullying. [Built using](#) machine learning, and Fast API.

LANGUAGES AND TECHNOLOGIES

Programming Languages: Python, JavaScript, HTML, CSS, SQL

Machine Learning: (Matplotlib, NumPy, Pandas, Scikit-learn), Computer Vision, Data Analysis.

Frameworks and technologies: Django, Docker, Fast API, Git, MongoDB, Node JS, React

AWARDS AND LEADERSHIP

First Place - Microsoft 2022 Intern Hackathon.

Papers We Love – Nairobi Organizer.