

Bernice Waweru

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EDUCATION

Jomo Kenyatta University of Agriculture and Technology

B. Sc. Telecommunication and Information Engineering

Relevant Coursework:

Object Oriented Programming

Database Management

Operating Systems

Computer Networks

Distributed systems

Network Security

PROJECTS

Cyberbullying Detection

A sentiment analysis and classification API that detects cyber bullying. Built using machine learning, Pytorch and Fast API.

Easy Freelance

A web application that helps developers manage their freelance projects. Built using Node, Express, MongoDB, React and GraphQL.

SKILLS

Languages: Python, JavaScript, HTML, CSS, SQL

Frameworks and

Technologies: Node JS, React, Fast API, Git, MongoDB,

Docker, Matplotlib, NumPy,

Pandas, Scikit-learn, LangChain

EXPERIENCE

LIVING GOODS | SOFTWARE ENGINEER

January 2023 – May 2023 | Nairobi,

- Improved user experience on dashboards by decreasing the time taken to sync data by 85% using Python and optimized SQL queries.
- Improved data quality by building data pipelines using Apache Nifi to extract, transform and load data from Couch DB to PostgreSQL for better data exploration.
- Enhanced data utilization by creating dashboards using Apache Superset to analyze and visualize data based on stakeholder specifications.
- Collaborated with stakeholders to gather requirements, design and develop workflows for the mHealth platform.

MICROSOFT | SOFTWARE ENGINEER, INTERN

May 2022 – July 2022

- Worked in the Microsoft Teams Contacts and Relations team, built a machine learning system to generate texts for images using computer vision and FastAPI.
- 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.

WHIP MUSIC | SOFTWARE ENGINEER, INTERN

January 2022 – March 2022

- Built, tested, and released a feature for users to post and apply for gigs using JavaScript (Node and React) and Cypress for testing.
- Reduced pull request review time by 80% by launching a GitHub-Slack integration to send notifications to developers when a code review is requested
- Acted as the point of contact for incidents from the users, triaging and preparing documentation for the causes and solutions implemented.

REAL BIZ DIGITAL | SOFTWARE ENGINEER, INTERN

March 2021- July 2021

- Worked with two other developers to build a sales admin dashboard app using JavaScript, Node and React.
- Implemented social sign-in and registration resulting in quick and easy sign-ins.
- Facilitated adoption of the web app by creating demos and documentation, and onboarding clients.

CERTIFICATIONS

- Introduction to Machine Learning by Duke University.
- Foundations of Machine Learning with AWS on Udacity.
- LangChain & Vector Databases in Production.