

DAVID LUTALI

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EDUCATION

Maseno University: BSc in Computer science · (2020 - 2024)

SKILLS

Databases: PostgreSQL, MySQL, MongoDB, MariaDB.

Languages: Java, Python, Typescript.

Frameworks (Libraries): Reactjs, Nextjs, Django

Environments: Nodejs

Tools: Git and GitHub, ORMs, Slack, Postman, Table plus

EXPERIENCE

Junior Full Stack Developer- Nairobi, Kenya.

November 2023-Present

Company: s-ndbox

Position: Full Stack Developer

Period: November 2023 - Present (7 months)

Details: I work as a developer at this start-up company, I work alongside senior developers as a junior developer working on both the frontend and backend. I am also responsible for integration of natural language processing with our user interfaces.

- Make critical about the product development process in the backend.
- Implementing natural language processing micro-service to classify a text into a business class.
- Implementing assignments given to by senior developers.

Tools- Typescript (NodeJS), Nextjs, Asynchronous Programming, PostgreSQL, MongoDB, Python (Django).

ICT assistant - Webuye, Kenya.

May 2023- Aug 2023

Company: Nzoia Water Services Limited.

Position: ICT assistant on attachment.

Period: May 2023- Aug 2023 (3 months)

Responsibilities:

- ❖ Network Monitoring.
- ❖ Printer servicing.
- ❖ Staff Support
- ❖ Ethernet crimping
- ❖ Software installation and updating

PROJECTS

Agriflexpay –Lead Developer

Sep 2023 – Present

This is a cross-platform project for managing agricultural projects, finances, customers (farmers), employees and inventory.

These are links to the repositories:

1. Backend Engine (<https://github.com/cortez-deb/agriflexpay-backend.git>)
2. Admin Dashboard (<https://github.com/cortez-deb/agriflexpay-adminDashboard.git>)
3. Field Portal (<https://github.com/cortez-deb/agriflexpay-fieldportal.git>)

Tools: Nextjs, Typescript (Nodejs), Reactjs, PostgreSQL.

Business Classifier- Lead Developer

Feb 2024 –Present

A natural language processing micro-service to classify a text into a business class. The essence of this is to ease the search functionality by customers to find the business and products they are looking for.

This is to be Intergrated with `collectives`, a service provided by s-ndbox, using a Django server.

Tools: Python, Django, PostgreSQL

This is an artificial intelligence classification model used to detect heart problems in a binary manner, given a predefined set of data. I trained and integrated it into a Django server to make it a single page web application.

Here are the links to the GitHub repository

- [Backend](https://github.com/cortez-deb/heartdisease-prediction-model-with--django.git) (<https://github.com/cortez-deb/heartdisease-prediction-model-with--django.git>)
- [Frontend](https://github.com/cortez-deb/heartdisease-prediction-model-with-react-frontent.git) (<https://github.com/cortez-deb/heartdisease-prediction-model-with-react-frontent.git>)

Tools: Python, Django, PostgreSQL, Reactjs.

References

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