Work Sample - Fullstack Intern

Hi! We really enjoyed meeting you and we're excited to to see you move forward in our hiring process. Hopefully, this work sample gives you a taste of the role and of how it is to be working at MadKudu. You can utilize the tools and frameworks that you like. Please send it back to yannick@madkudu.com *&*
ruben@madkudu.com when you're done. And don't forget to give us access to the different files you will include.

Thank you for your time and good luck!

Madkudu team

Project description

Create a web application using JavaScript or TypeScript that visualizes data related to antelope species.

Use case: We Kudus want to compare ourselves to other antelopes. And because we love data and software, we want to use a web app for this.

Instructions

Please do as much or as little as you want.

Expectations are to spend between 2 and 4 hours of work to write a **Technical RequirementsDocument (1-2 pages) and build a functional POC.**

Product requirements

Required Technologies

Technologies

● JavaScript or TypeScript

● React.js

● Node.js (only if you're implementing a backend)

Input data

Use the dataset for antelope species available at the following link:

https://work-sample-mk-fs.s3-us-west-2.amazonaws.com/species.json

Page components

● A table displaying antelope data

● At least two charts: Choose how to represent the data in a way that makes sense toyou. Feel free to manipulate or group the data as you see fit. If you think user interactions like buttons or drop downs would enhance the experience, go ahead and include them!

Choose your path based on your specialty

If you specialize more in frontend or backend development, follow the relevant advice below.

Make sure to specify your specialty when you submit your work for appropriate review. If you consider yourself well-balanced in both, feel free to ignore this section.

If you lean more towards frontend...

You don't need to build a backend. Your project will be evaluated mainly on the quality of your React code and the user experience you provide.

If you lean more towards backend...

We won't be too strict about the UI/UX quality (though you still need to meet the basic requirements), but we do expect a robust and well-designed backend to showcase your skills.

This is an exercise

The code you will produce is part of our technical interview process. You obviously own full property on everything you produce.