PERSONAL INFORMATION

DIYAA GUBARAH

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Gender male | **Date of birth** 09/09/1994 | **Nationality** Sudanese | **UAE Driver License** **YES**

DESIRE POSITION **React Native | Django Developer | React JS**

WORK EXPERIENCE

(**Jan** 2021 – **Jan** 2022) **React Native Developer & UI/UX Design**

at **Homella** 📍 **Sudan**

Personal app and my first project. Homella is an application to search for real estate, lands, in addition to helping individuals to sharing their room or apartment or house with others, **Homella application is the first application to serve this category (roommate) in Sudan**. Since the launch of Homella on Jan 1, 2022 for Android, it has been downloaded more than 6,000 times, and this number is increasing by 10 users daily.

Job Responsibly:

- Design +30 UI and modal, prototypes and wireframes using **adobe XD**.
- Build app and UI components using **React Native**.
- Considered best practices while building application such as (project structure, reusable component, functional or class components based on requirement, etc.) this resulted in reducing the size of the application to only 10 mb.
- Created nice animation that improved UX experience, radar to determine the boundaries of the search area in the map screen.
- Working with **react redux** to manage state and **redux thunk** to handle synchronous action and **redux persist** to save user favorite houses in local storage.
- Integrated multiple react native model such as (**react-navigation**, **react-native-elements**, etc.).
- Integrated google map API using (**react-native-maps**).
- Integrated notification using firebase and (**react-native-push-notification**).
- Adding the arabic language and dealing with all bugs resulting from shifting the screen orientation from LTR to RTL such as (navigating, maps, horizontal scrolling, icon direction, etc.).
- Published Homella to google play: Google Play (Homella - هوميلا)
- In addition to maintain all the technical tasks associated with creating an application of this size and data, handling errors, responding to clients, managing application data, activating accounts, verifying properties before publishing them, etc. alone, I created a page for the application on Facebook and manage it: Facebook Page (Homella - هوميلا).

(Jan 2021 – **Jan** 2022)   **Backend Developer | Django**

at **Homella**   📍 **Sudan**

Homella can be considered a location-based application in some of its services such as searching for a house near a specific location so I used Django framework as background.

Job Responsibly:

- Develop entire backend system using **Django framework** such as (create database schemas and their related app, urls, views, etc.).
- Building APIs using **Django REST framework.**
- Building authentication schemes using **drf** in addition to **djoser library** to handle action such as (registration, login, logout, password reset and account activation).
- Integrated **Geodjango** to create spatial database with **postgres**.
- Integrated **GEOS** library to handle spatial operators such as (find the distance between property and landmark around it).
- Create a python code to reduce the size of the property images before uploading it to the server, which led to a 90% reduction in the image size. In this way, I can take advantage of server free capacity to upload +1000 property with their 15 images for free.
- Building notification system using **firebase** and **fcm_django** this gave me the ability to send real time massages for all user or for specific user.
- Customize the user modal and create different type of account (owner, client, broker, admin, staff) and create custom field that help me control all user account type and permission using my admin mobile app.
- Create permission to secure APIs in different level only authenticated user can use it such as search api, or anyone can use it like register api, or only owner can use it such as edit property.
- Using **Git & GitHub** to deploy Django into **Heroku** using **Heroku cli** and addressing errors that occur as a result of deploy some libraries such as geos, gdal, etc.
- Resolve & maintain ongoing problem, bugs, version change, libraries incompatibility etc.

EDUCATION

(Sep 2010 - **Nov** 2015)   **Bachelor in Surveying Engineer**

I awarded the Degree of Bachelor of Engineering **(Honours)** in **Surveying Engineering - Geodesy** at College of Engineering in Sudan University of Science and Technology (**Second Class – division one (2.70 / 4)**).

PERSONAL SKILLS

Mother tongue(s)   **Arabic**

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
LISTENING	READING	SPOKEN INTERACTION	SPOKEN PRODUCTION	
English excellent	excellent	good	good	good

Job-related skills

- Good learner and self-confidence person.
- Passionate for good programming.
- Ability to lead projects with team.
- Confidence to implement new ideas.
- Quickly grasps new concepts and technical skills.

Digital Competence

SELF-ASSESSMENT				
JavaScript | CSS | HTML	Python	React Native	Django | DRF	Git | GitHub
Proficient	Intermediate	Advanced	Proficient	Intermediate

React JS	NoSQL (Firebase)	Visual Studio | Postman	Adobe XD	UI / UX Design
Intermediate	Intermediate	Advanced	Proficient	Intermediate