

Joshua Moracha

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Career summary:

A tech enthusiast who likes solving problems with technology. A full-stack web developer proficient in Python and JavaScript. Additionally, a great team player who can integrate with teammates of diverse cultural backgrounds. I have worked at Andela. As a software engineer, I was part of a team that worked on Activo (an asset management tool) which improved the asset tracking and asset allocation efficiency to up to 80%. I then worked in a tech start-up (Softsearch) where I led a team that upgraded a bulk SMS platform into a modern user-friendly web app. I have also built another SMS platform and a car hire-purchase management system as a freelancer. I am currently working as a backend engineer for a service delivery application similar to Uber Eats.

Key Professional Skills:

Technical skills

- Python, Python/Flask, Python/Django, JavaScript, React.js, Angular 2, C++, C#, Java, Bash, Typescript, R, and MatLab
- Git
- HTML
- CSS
- SASS
- Agile Project management experience
- Proficient in Continuous Integration workflows
- Experience in pivotal tracker and Jira project management tools
- Proficiency in distributed team tools e.g Slack, Google docs, Google Sheets, and Zoom

Personal Attributes

- Collaboration

- Communication
- Initiative
- Integration into teams

Work Experience:

Freelance

Projects

- **Medicine Delivery System**

The project aims to deliver medicine to clients; a model similar to Uber Eats.

Role:

- Backend Developer

Technology Stack:

- Django Rest Framework
- Postgres
- **Ndai**

This is a car hire purchase payment management system. It utilizes Mpesa payment API to collect weekly client payments. It turns off cars whose drivers have not completed their payments. It also creates invoices and informs the drivers when they are due

<https://www.ndai.digital/>

Role:

- Fullstack Developer – I did the backend and the frontend.
- Team Lead – I manage other technical people such as the Devops engineer and UI designer.

Technology Stack:

- Django Rest Framework

- Angular
- Postgres

- **SMS Platform**

I created a bulk SMS platform complete with a payment system and integrated with google RBM.

Technology Stack:

- Django Rest Framework
- React.js
- Postgres

Role:

- Fullstack Developer – I did the backend and the frontend.
- Team Lead – I manage other technical people such as the Devops engineer and UI designer.

SoftSearch

Softsearch is a start-up that strives to bring much-needed products such as bulk SMS, online shopping among others.

December 2019 - January 2021

Projects

- **OE Marketplace**

An E-commerce site that enables users to host products for sale and customers to buy and receive goods.

Roles:

- Frontend Engineer
- I ensured the web app confirmed to designs
- I was in charge of responsiveness.

Technology Stack:

- Django Rest Framework
- Angular

- **Jambo SMS**

A bulk Communication platform that enables businesses to communicate to multiple parties. It is easily integratable with existing software due to its REST API.

Roles:

- Backend and Frontend Team Lead
- I oversee the quality of the code in the codebase
- I solve errors in the production
- I oversee frontend designs
- Backend developer
- Frontend developer
- Dev Ops

Achievements:

- I was able to finish the backend though the junior developers left after finishing their internships.
- I designed the integrative REST API
- I successfully created an Mpesa payment module.

Technology Stack:

- Django Rest Framework
- React.js
- Postgres

Andela

Andela is a multinational company that identifies top talent in software development and finds placement with partners in the global market. It has offices in Nigeria, Kenya, Rwanda, Uganda, and the United States.

February 2019 - October 2019

Projects:

- **Authors Haven.**

A web application that enables users to read and post articles.

Role: Backend (Python/Django) and frontend engineer (React.js).

Achievement: We were able to create a beautiful website that was well appreciated by the product owner.

- **Activo**

The purpose of this project was to provide a central management system for all the assets of the organization. These included furniture, computer devices, electrical devices, and fittings, etc. With Activo, we had single and robust documentation for Andela's assets which is easily accessible to everyone. It is also easier to track the usage of such assets. This was previously done using spreadsheets.

Role: Backend engineer (Python/Flask)

Achievements:

- The product increased report creation by ninety percent.
- It improved asset tracking by eighty percent.
- It improved seat allocation by eighty percent.

Education and Professional Qualification:

January 2012 - July 2018: Bachelor of Science in Information Technology,
Technical University of Mombasa.

GPA: Second Class

Referees

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