

Dennis Kinyanjui

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EDUCATION

Africa Leadership Accelerator (ALX) - Africa Leadership Group

Nairobi, Kenya

Software Engineering Bootcamp

August 2022 - October 2023

Multimedia University of Kenya

Nairobi, Kenya

Bachelor's in Business Information Technology

September 2016 - December 2020

ACHIEVEMENTS AND AWARDS

Team Member, Hult Prize Global Competition, Campus-Based - Nairobi, Kenya

October 2017 - March 2018

I worked with a team of four people and developed a project called Mfereji Power, which was about harnessing power from wastewater pipes, and rivers and using it to generate electricity for slum dwellers. My team was the first runner-up among 14 groups.

WORK EXPERIENCES

Africa Leadership Accelerator (ALX) - Software Engineering Bootcamp

August 2022 - October 2023

Software Engineer

I learned low-level programming using the C programming language, including control flow, functions, pointers, memory allocation, debugging, and recursion.

With this knowledge, I was able to implement two projects:

- Recreated the output function in C, the `printf` function.
- Developed a command line interpreter that looks like and emulates the functionality of a Linux terminal.

Python Web Development

- Recreated the Airbnb website using Python's Flask Web Framework.
- Deployed the Replica Airbnb site to a server.

DevOps

- I learned key DevOps concepts, including server configuration, Secure Shell (SSH), web servers, load balancers, SSL (Secure Sockets Layer), firewalls, and deployment.

In my final project, I Developed an Escrow payment system for online transactions, developed it in Python flask, and deployed it on Digital Ocean.

- [Ems254 system presentation pitch](#)
- [Ems254 system presentation implementation](#)

Customer Service Agent - Amref Health

August 2021 – January 2022

- I had the role of managing the Jibu E-learning Platform queries and issues through a customer service bot.
- I provided feedback to the organization on the User Experience of the Jibu e-learning platform.

Software Developer Intern - Threeways Limited, Nairobi

April 2019 – August 2019

- I was part of the development of the project backend:- Implementation of a telemetry parser for a sensor, for an IoT project.
- Gained knowledge on how to execute project concept:- implementation of MVP- minimum viable product.

SKILLS

Programming Languages: C, Python, ES6, Javascript **Web Technologies:** HTML, CSS, and JavaScript,
Web Frameworks: Python Flask, NodeJS, **Database Management:** SQL, MySQL, **Data Structures and Algorithms**