

# FREDRICK WAMBUA

[Github Profile](#)

[Portfolio website](#)

[LinkedIn Profile](#)

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## Personal Statement

I am a determined, motivated, adaptable, responsible and self-supervised fresh graduate with strong ambitions to learn and acquire technological skills. These distinguished characteristics have enabled me to face and conquer the challenges of transitioning from the field of environmental planning and management to technology. I am a software bootcamp graduate with a strong systems mindset, seeking a position as a junior Full-Stack Engineer. I have excellent interpersonal, good communication skills together with client approach and a strong personal drive to be active till the products go through the final phase of completion and the continual cycle of the product improvements.

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## Highlighted Software Applications

### 1. Neighborhood News App

2021(September)

Repository url: <https://github.com/FredrickWambua/hoodnews>

Deployed url: <https://hoodcatchupnews.herokuapp.com/>

A web application that allows a user to be in the loop about everything happening in their neighborhood. From contact information of different handymen to meeting announcements or even alerts.

- Implemented the user profiles, sign in and login, messaging and specific user stories.
- Employed Django, PostgreSQL and Heroku for deployment.

### 2. Project Tracker

2021(October)

Backend url: <https://taliban-trackerapp.herokuapp.com/>

Frontend url: <https://samwel-chege.github.io/Project-Tracker>

A web application that tracks all the projects for learning institutions. The users can add projects and the admin can add collaborators to the specific project. It acts as a project bank for an institution. This is meant to help students and the institution have all the projects and easy to act on them.

- Implemented the 2-factor authentication, user profiles, filtering according to cohorts and admin dashboard with specific permissions.
- As a collaborator, I worked on the Authentication system, Authentication system API, API documentation and the add project feature.

- Employed the Django for backend and deployed to heroku, Angular for frontend and deployed to gh-pages, PostgreSQL database models , RESTful APIs, Swagger for API documentation.

### 3. Awwwards clone app

Deployed url: <https://projectrating.herokuapp.com>

Repository url: <https://github.com/FredrickWambua/ratemyprojects>

This is a clone for awwwards website from where users can submit their projects for others to view and vote on them.

- Implemented the Custom user model, user profile update, adding project, review, rating and commenting on a project.
- Employed the Django, PostgreSQL database models, RESTful APIs, Swagger for API documentation and Heroku for deployment.

### 4. Instagram clone app

Repository url: <https://github.com/FredrickWambua/instagram>

Deployed url: <https://fredinstaclone.herokuapp.com>

This is an instagram clone app with some of the functionalities to enable the instagram interactivity experience.

- Implements the django custom user model, authentication, profile update, adding a picture, like and commenting sections.
- Uses django framework, PostgreSQL database models and Heroku for deployment.

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## Technical Skills

- **Strong:** Python, HTML, CSS, Bootstrap, Javascript, PostgreSQL, Heroku, Figma, GCP
- **Experience:** Django, Angular, Flask, RESTful API, Swagger and fundamental knowledge on Google Cloud Platform.

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## Personal Skills

- Strong communication skills. I am able to work well with teams and under minimum supervision.
  - Fast learner and adapting to software related fields/environment quickly. I am keen to advance my existing skills and open to learn new ones especially those related to database, backend, cloud computing and frontend.
  - I am a good researcher and systems thinker. I enjoy researching solutions for challenging problems and I am always thrilled to see my frameworks get adopted.
  - Ambitious to learn. The more I learn new technologies the more I get exposed to new ones. This makes me feel like I know less and brings the urge to keep learning new things and implementing them.
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## **Employment History**

Volunteer: IT Program Manager, The Youth Cafe

Nov 2021 - Up to date

Responsibilities:

- Managing the website(squarespace site) and optimizing content for Search Engines(SEO).
- Building dynamic maps using Google Javascript API.
- Attending meetings and presenting reports on matters regarding Youth and Technology.

Virtual Assistant, School of Magnificence

March 2020 - August 2020

Responsibilities:

- Tasked with content creation and data management. This involved data entry, graphic design, Managing Email lists, emails and email follow up.
- Managing Social Media Platforms and Digital Marketing.

2019 Kenya National Bureau of Statistics(KNBS), National Census Content Supervisor

August 2019 - September 2019

Responsibilities:

- Training a group of selected enumerators on the process of successfully conducting the 2019 Kenya Population and Housing census.
- Overseeing the work done by each enumerator in their respective enumeration area, with the total number of 15 enumerators covering about 500m<sup>2</sup>

Production Supervisor, Savana Bottlers Company

May 2013 - July 2014

Responsibilities:

- Supervising and guiding the team of 20 workers in the mineral water bottling process.
- Evaluating and assessing the employees' performance to meet the set daily target.
- Reporting any issues to the manager.

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## **Academic Qualifications**

Moringa School

April 2021 - October 2021

Software Engineering Immersive, Full-Stack Specialization

Tunapanda Institute

October 2020 - December 2020

Introduction to Information Technology

- Web design and development
- Graphic Design
- Digital Storytelling

Pwani University  
September 2014 - December 2018  
Bachelor Environmental Planning and Management  
Relevant Courses:

- Research Methodology and Statistics
- Geospatial Information Systems(GIS)
- Fundamentals to Fiscal Analysis
- Communication skills and critical thinking

Eastleigh High School  
2009 - 2012  
Kenya Certificate of Secondary Education

### **Professional Qualifications**

Various Online IT Certifications:

2020

- Data Structures and Algorithms - Currently taking the course on Jovian.ai
- Technical Support Fundamentals - Google Scholarship, Coursera.
- Introduction to Data Analysis Using Excel - Rice University through a Coursera online program.
- Basic Data Descriptors, Statistical Distributions, and Application to Business Decisions – Rice University through Coursera online program.
- Programming for Everybody (Getting Started with Python) – University of Michigan through Coursera online program.
- Python Data Structures –University of Michigan through Coursera online program.
- MySQL Certificate – Codecademy (MOOCS).

Trainings:

June 2016 - September 2016

- Customer care services and retailing- Homeboyz Foundation.
- Computer packages and computer troubleshooting - Homeboyz Foundation.

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### **Interests**

- Visual art.
- Participating in hackathons during free time on weekends.
- Swimming and cycling: These are the sports I participate in.
- Reading: I enjoy reading books about productivity, personal growth and psychology.
- Nature walks and hikes.

## References

1. School of Magnificence  
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