

# 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 distinguishing characteristics have enabled me to face and conquer the challenges of transitioning from the field of environmental planning and management to software development. I am a software development Bootcamp graduate and a software internship trainee with a strong systems mindset. I have excellent interpersonal, good communication skills together with a client approach and a strong personal drive to be active till the products go through the final phase of completion and the continual cycle for the product improvements.

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## HIGHLIGHTED SOFTWARE APPLICATIONS

### 1. Infinite Wear, Ecommerce web app

2022(June)

Github url: <https://github.com/FredrickWambua/infitewear>

An ecommerce web application that allows a user to view products and purchase them by adding into a cart and checking out. The admin is able to post the products according to category and also edit or delete the products. The database is yet to be deployed.

- Implemented the user authentication and authorization, stored procedures for database and Api security.
- Employed Angular, MSSQL, Nodejs, expressjs and nodemailer.

### 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 comment sections.
- Uses Django framework, PostgreSQL database models, and Heroku for deployment.

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## TECHNICAL SKILLS

- **Strong:** Python, Typescript, HTML, CSS, Bootstrap5, Javascript, PostgreSQL, mySQL, Heroku, Figma UI/UX, GCP, MSSQL
- **Experience:** Django, Angular, Nodejs, Express, Flask, RESTful API, Swagger, jQuery, Redux

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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/environments quickly. I am keen to advance my existing skills and I am open to learning 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

### Software Development Internship Trainee: The Jitu

April 2022 - Up to date

Responsibilities:

- This internship is more of a training in frontend and backend technologies.
- Built apps using custom css styling (no framework).
- Built todo app with nodejs, express and typescript
- Built a full fledged ecommerce site using angular, nodejs, express and mssql.
- Built RestAPI in nodejs, typescript and express.
- Building angular apps that incorporate the nodejs and express for backend integrations.

### Volunteer: IT Program Assistant, The Youth Cafe, not-for-profit

Nov 2021 - April 2022

Responsibilities:

- Managing the website(Squarespace site) and optimizing content for Search Engines(SEO).
- Building dynamic maps using Google Javascript API, writing code, and injecting it in the site to create new features.
- Representing the organization in physical and virtual meetings and presenting reports on matters regarding Youth and Technology, digital literacy and Climate Action.
- Participating in writing proposals for civic tech projects.

### 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>

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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, development and graphic design
- Digital Storytelling

### Pwani University

September 2014 - December 2018

Bachelor Environmental Planning and Management

Relevant Courses:

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

### **Eastleigh High School**

2009 - 2012

Kenya Certificate of Secondary Education

## **OTHER QUALIFICATIONS**

### **Various Online IT Certifications:**

2020

- Data Structures and Algorithms - Currently taking the course on Jovian.ai 50% complete
- Technical Support Fundamentals - Google Scholarship, Coursera.
- Introduction to Data Analysis Using Excel - Rice University through a Coursera online program.
- Enterprise Design Thinking Practitioner - IBM
- Basic Data Descriptors, Statistical Distributions, and Application to Business Decisions – Rice University through Coursera online program.
- Programming for Everybody (Getting Started with Python) – the University of Michigan through Coursera online program.
- Python Data Structures –the University of Michigan through Coursera online program.
- MySQL Certificate – Codecademy (MOOCs).

### **Training:**

June 2016 - September 2016

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

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## **INTEREST**

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

## REFEREES

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