

Name: Kofi Bekoe Ofei
Nationality: Ghanaian
Phone: +233 (0) 50 000 4675
Email: bekoekofi@gmail.com
Profession: Software Developer



COMPUTER SKILLS

Programming Languages:

- Proficient in: Python, JavaScript
- Familiar with: Java

Frameworks:

- Django, Django REST, Pandas, Flask

Software Proficiency:

- PostgreSQL, Microsoft Office
-

PROJECTS

Project: Ghana Land Planners

June 2022– August 2022

Brief: Platform to provide surveyors with a service to ease and facilitate the creation of Land Plans within Ghana, that meet the Ghana Surveyors standard.

Client: Afrifanom Limited

Role: Software Developer

Activities Performed:

- Designed and developed the code to generate accurate land plans from XY coordinates and serve them up for download as a PDF file and a DXF file editable with AutoCAD
- Made modifications in the existing platform to suit client's requirements.

Project: In Vehicle Fameko Implementation

June 2022– August 2022

Brief: Fameko, an offline navigation system designed for use in Ghana is an android application. This project sought to deploy this system as part of the native system that exists in vehicles with Infotainment systems.

Client: Afrifanom Limited

Role: Software Developer

Activities Performed:

- Met with technical team of Toyota Ghana to glean the technical requirements for development of the system on their Infotainment systems.
- Performed research on developing for in-vehicle-infotainment systems and interfacing with the platform.

Project: Traffic Video Analysis

November 2021– February 2022

Brief: Platform to analyze video feed from Traffic Cameras to report on incidents on the roads, such as heavy traffic, accidents and fire.

Client: Afrifanom Limited

Role: Python Developer

Activities Performed:

- Designed and developed the code to analyze the video using machine learning models and computer vision frameworks.
- Designed and developed the Graphical User Interface of the platform using python GUI frameworks.

Project: Fameko Traffic API

August 2021– November 2021

Brief: API to integrate with Fameko Driving Application to provide current road conditions (traffic situation) to users to inform their route.

Client: Afrifanom Limited

Role: Python Developer

Activities Performed:

- Designed and implemented Database structure
- Designed and developed code for API calls
- Designed and developed frontend using Flask, JavaScript, HTML and CSS.

Project: Facial Recognition Platform

June 2021– August 2021

Brief: Facial Recognition platform to enroll faces of employees and recognize them to use for clocking in and clocking out at the office.

Client: Afrifanom Limited

Role: Python Developer

Activities Performed:

- Designed and implemented Database structure
- Designed and developed code for the recognition platform
- Designed and developed frontend using Flask, JavaScript, HTML and CSS.
- Integrated platform with already existing staff management platform using APIs.

Project: Boardroom Functions GH Website

August 2020 - Date

URL: boardroomfunctionsgh.com

Client: Boardroom Functions Ghana

Role: Web Developer

Activities Performed:

- Designed and implemented database structure.
- Designed and developed website using Django's MVC design pattern.
- Obtained a server and domain name for website deployment and hosting using Linode and Namecheap.

Project: Basic Sanitation Information System (BaSIS)

June 2017 – September 2021

URL: basis.sanitationghana.org

Client: Ministry of Sanitation

Role: Backend Developer

Activities Performed:

- Co-designed and co-implemented database structure
- Co-developed backend system using MVC design pattern.
- Ensured structural compatibility of ODK Forms with database structure.
- Developed APIs for data synchronization from ODK Aggregate to the system.

Project: Environmental Sanitary Inspection and Compliance Enforcement (ESICOME)

April 2018 – June 2018

Client: Ministry of Sanitation

Role: Geospatial Developer

Activities Performed:

- Converted approved questionnaire to an ODK Form for data collection with ODK Collect Application.

- Co-developed an interactive map interface for data visualization.

Project: Ghana Infrastructure Fund for Electronic Communication (GIFEC) GIS Web Application and Reporting System

July 2017

URL: gifec.cersgis.org

Client: GIFEC

Role: UI and UX Tester

Activities Performed:

- Reviewed and tested Front-end design and suggested changes to the development team

Project: Ghana Electronic Monitoring and Mapping System (GhEMMS)

July 2017

URL: ghemms.cersgis.org

Client: Parliament of Ghana

Role: UI and UX Tester

Activities Performed:

- Reviewed and tested Front-end design and suggested changes to the development team
- Analyzed data within system and reported on discrepancies.

WORK EXPERIENCE

Role: Software Engineer

June 2021 – February 2022

Company:

Turntabl

5th Floor Advantage Place, Ridge, Accra

Role: Software Developer

June 2022 – August 2022

Company:

Afrifanom Limited

Dansoman, Accra, Ghana.

Role: Software Developer

June 2021 – February 2022

Company:

Afrifanom Limited

Dansoman, Accra, Ghana.

Role: Assistant RS/GIS Programmer

August 2019 – September 2021

Company:

Center for Remote Sensing and Geographic Information Services (CERSGIS)

University of Ghana, Legon, Accra, Ghana.

Role: Backend Developer (National Service)

September 2018 – July 2019

Company:

Center for Remote Sensing and Geographic Information Services (CERSGIS)

University of Ghana, Legon, Accra, Ghana.

Role: Web Developer (Intern)

October 2017 – December 2017

Company:

Big Data Ghana Limited.

Accra, Ghana.

Role: Backend Developer (Intern)

June 2017 – August 2017

Company:

Center for Remote Sensing and Geographic Information Services (CERSGIS)

University of Ghana, Legon, Accra, Ghana.

EDUCATION

Ghana Communication Technology University

September 2014 – July 2018

Tesano, Accra, Ghana.

- Bachelor of Science in Information Technology

TRAINING

ISO/IEC 27001 Lead Implementer

2021

- Organized by PECB, classes taken at Innovare Learning
- Certified ISO/IEC 27001 Provisional Lead Implementer

Python and Django REST API Framework

2015

- Udemy Online Course by Mark Winterbottom

Visual Basic .NET

2015

- Class organized by Dr. Quist-Aphetsi