

# DZONTOH MAWULI WISDOM

*Software Engineer/Health Information Manager*

Online Profiles: [GitHub](#), [LinkedIn](#), [Portfolio](#)

## Profile

Health Information Officer, software engineer, and computer scientist with a robust foundation in computer science and a dedication to enhancing healthcare through technology. Demonstrated expertise in software engineering, innovation, and problem-solving. Committed to advancing health information systems and bridging the gap between technology and healthcare.

## Skills

- ✓ **Programming Languages:** C++, Java, Python, Django, HTML, CSS, tailwind css, JavaScript, React, Express.js, Node.js, PHP, Laravel, Flutter, Firebase
- ✓ **Data Analysis Tools:** Excel, SPSS, STATA, EPI INFO
- ✓ **Software Development:** Git, APIs, Linux, SQL
- ✓ **Methodologies:** Agile, Scrum, waterfall
- ✓ **Other:** GIS, Microsoft Office Suite, Kobo toolbox, HNQIS,

## Certifications

- ✓ HHFA Data Collector
- ✓ DHIS Customization
- ✓ Basics of Python Programming

## Experience

### Health Information Officer

*Greater Accra Regional Health Directorate, Ghana Health Service*

#### **2021 - Present**

- ✓ Utilized DHIMS2 for health data management, analysis, and interpretation.
- ✓ Trained healthcare professionals on data collection and analysis.
- ✓ Developed data collection tools using Kobo Collect, ODK, and Google Forms.
- ✓ Conducted data analysis using Excel, SPSS, STATA, and EPI INFO.
- ✓ Ensured effective health data management through supervisory visits.

### HHFA Data Collector

*World Health Organization (in collaboration with GHS & MOH)*

#### **2022 - 2023**

- ✓ Collected data for the Harmonized Health Facility Assessment (HHFA) in Ghana.

- ✓ Assessed health system service availability and readiness.
- ✓ Collaborated with WHO for successful project execution.
- ✓ Provided high-quality data analysis and interpretation for evidence-based decision making.

## Software Development Projects

### ***Electronic Medical Records System***

*Django Framework*

- ✓ Addressed data management gaps in health facilities.
- ✓ [Project on GitHub](#)

### ***E-commerce Web App***

*MERN Stack (MongoDB, Express.js, React, Node.js)*

- ✓ Developed CRUD operations for user and admin roles.
- ✓ [Frontend GitHub](#)
- ✓ [Backend GitHub](#)
- ✓ [Demo](#)

### ***E-voting System***

*PHP*

- ✓ Enabled user voting and results monitoring.
- ✓ Admin panel for managing users, positions, candidates, and results.
- ✓ [Project on GitHub](#)
- ✓ [Demo](#)

## Research Experience

### ***Field Officer***

- ✓ University of Ghana Business School - Department of Finance\*
- ✓ 08/2022 - 09/2022
- ✓ Conducted a baseline study on out-of-pocket expenditures for patients.
- ✓ Participated in the SWISS TPH Project on Health System Governance.
- ✓ Used Qualtrics offline survey app for data collection.

### ***Clinical Data Abstractor***

- ✓ AYA Collective (GHS)
- ✓ 08/2022 - 09/2022
- ✓ Participated in the baseline evaluation of "Making Every Baby Count Initiative (MEBCI 2.0)".
- ✓ Entered data from delivery, antenatal, and NICU registers at Ridge Hospital using Survey CTO.

### ***Field Officer***

- ✓ University of Ghana Business School - Department of Finance\*
- ✓ 11/2023 - 12/2022
- ✓ Conducted interviews for the Child Labour Cocoa Project with ICI and ETHZ.
- ✓ Visited schools in Eastern and Ashanti regions to assess the impact of distributed school kits.

## **Education**

### ***Ghana Communication Technology University (GCTU)***

- ✓ BSc. Computer Science
- ✓ 2023 - 2026

### ***College of Health and Well Being***

- ✓ Diploma in Health Information Management
- ✓ 2018 - 2021

### ***Africa Leadership Union***

- ✓ Software Engineering
- ✓ 2022 - 2024

## **Languages**

- ✓ English
- ✓ Twi
- ✓ Ewe

## **References**

### ***Joseph Boye-Doe***

- ✓ Greater Accra Regional Health Information Officer
- ✓ Phone: +233 246821264
- ✓ Email: josephboyedoe1@gmail.com

### ***Bright Obeng Amoako***

- ✓ Greater Accra Regional Data Protection Officer
- ✓ Phone: +233 246126573
- ✓ Email: bright.amoako@gmail.ghs.gov.gh

## **Contact Information**

- ✓ GA-258-6269, Nkwanta St.
- ✓ (+233) 0558749735
- ✓ wisdomdzontoh@gmail.com