

# JOSHUA MARUIS ACOLATSE

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## **SUMMARY**

*A dependable and analytical young man seeking to work in a competitive environment that offers the opportunity for professional development.*

*Experienced IT Manager and Head of the Software Unit at Ghana Health Service, with a strong background in global health data analysis, project management, and digital transformation. Proven track record in leading complex software initiatives, developing IT infrastructure, and managing cross-functional teams to drive healthcare innovation and improve patient outcomes.*

*Proficient in managing IT resources, partnering with international organizations, and driving global solutions aligned with the Fourth Industrial Revolution.*

## **EDUCATION**

### **Master of Science in Public Health Monitoring & Evaluation**

University of Ghana – Present

### **Master of Science in Project Management**

African University College of Communications - 2021

### **Bachelor of Science in Computer Science**

Valley View University, Ghana - 2017

## **PROFESSIONAL HIGHLIGHTS**

*Snr IT Manager & Head, Software Unit | Researcher | Health Information Manager (Ghana Health Service 2019 – Present)*

**Snr IT Manager / Head Software Unit:**

- Served as a **Researcher and Data Manager** for the **Ghana Quality of Care Record Review module** of the **World Health Organization's Harmonized Health Facility Assessment (HHFA)**, contributing to healthcare quality monitoring and evaluation.
- Led the development and management of national healthcare software systems, including the **GHS E-Learning Platform, Itinerary Monitoring System, GHS Website, and School Health Management System**, enhancing digital health infrastructure.
- Provided strategic direction for software development, ensuring alignment with organizational goals and the latest innovations in health technology.
- Managed IT infrastructure, including budgeting and resource allocation, ensuring the security and privacy of health data through encryption, firewalls, and user authentication systems.
- Developed disaster recovery plans and business continuity strategies to protect critical healthcare IT systems from disruptions.

*U.S. Agency for International Development (USAID) Ghana (2019 – 2025)*

**National Technical Working Member / Researcher:**

- Worked with the National Program Coordinator, USAID/Government of Ghana, to improve patient data quality and healthcare delivery systems.
- Assisted the implementation of Supportive Supervision under the USAID/Ghana Health Service Government-to-Government Agreement.
- Worked closely with medical staff to ensure health data is organized, analyzed, and utilized for research, process improvement, and policy-making.

*World Health Organization (WHO), Ghana (2019 – 2025)*

**Data Manager**

- Managed data for the **Harmonized Health Facility Assessment (HHFA)** research project, overseeing the collection, analysis, and reporting of health facility data to support the **Ministry of Health (Ghana Health Service)**
- Developed data models and dashboards to evaluate health facility performance, enhancing decision-making for resource allocation and patient care improvements.
- **Led global health data management with BETTEReHEALTH**, collaborating with international teams to enhance healthcare delivery.

## RESEARCH

*The Global Fund, World Bank*

### Seasonal Malaria Chemoprevention (SMC) Data Collection (Ongoing - Ghana):

- National data collection initiative targeting dosed and undosed children to combat malaria in Ghana.
- Analyzing the effectiveness of preventive treatments, contributing to recommendations and predictive health decisions for the Ghana Health Service.

### Machine Learning in Ghana's Healthcare System (Ongoing):

- Investigating the application of machine learning techniques to patient health records in Ghanaian hospitals, aiming to predict disease progression and improve treatment strategies for local health institutions.

### Home Visit Research in Ghana (Ongoing):

- Conducting research on healthcare delivery during home visits in Ghana, collecting data to assess patient care and enhance community-based healthcare practices.

## PROJECTS & ENTREPRENEURSHIP

### *Self-lead Projects*

#### Founder, MaColX & MaColMarket

- Led the creation of digital platforms aimed at empowering African businesses through improved market access and communication,
- Co-founder of <https://keepup.store>

## GLOBAL LEADERSHIP

- Extensive experience collaborating with **USAID, World Health Organization**, and cross-functional teams on global health data and digital transformation projects.
- Proven ability to manage large-scale software and data initiatives that improve healthcare outcomes across borders.

## PROFESSIONAL CERTIFICATION

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- Advanced Data Science and Analytics

## CERTIFICATION

- Certificate in Cyber Security
- Certificate in Health Data Science
- Certificate in System Administrator

## TECHNICAL SKILLS

- **Programming:** R, Python, Java, Node.js, PHP
- **Database Management:** MySQL, Oracle, PostgreSQL
- **Project Management:** Agile, Scrum, Waterfall
- **Data Analysis:** SQL, Excel
- **Tools:** MS Office, Google Suite, Data Visualization Tools

## LANGUAGE & PROFESSIONAL SKILLS

Fluent in English, French, Twi, Ewe and Ga.

Time Management, Leadership, Teamwork, Communication, Detail Oriented

## REFERENCE

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**Director Nursing & Midwifery**, Mrs. Eva Mensah, Ghana Health Service, odnms@ghs.gov.gh

**Deputy HR/Administrator**, Justina G. Frempong, Ghana Cocoa Board, +233 24 480 8179

**Deputy Director ICT**, Mr. Hammond Sarkwah, Ghana Health Service, ict@ghs.gov.gh

**Available for Relocation & Travel**