

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

- 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

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