Mamadou Lamarana Bilguissa DIALLO

Lyve.diallo@gmail.com

HMIS AND DHIS2 SPECIALIST

Full Stack Developer | ICT4D | DHIS2

in

Twelve (12) years of experience in the field of business application development. Since Novembre 2017, I've been supporting the Ministry of Health of Guinea in the implementation of its Health Information System on behalf of Orgnizations like RTI International within the framework of the Global Health Security Agenda Project / Center for Disease Control (GHSA / CDC - Guinea), AFENET (African Field Epidemiology Network), Catholic Relief Sevices, World Bank

Experiences

DHIS2 Consultant

AFENET / ANSS - July 2024 to September 2024

- Upgrade DHIS2 Surveillance from the version 2.36 to 2.40
- Development an audit plateform for DHIS2 metadata
- Development a plateform dedicated to aggregate individual data
- Training and mentoring ANSS IT Team on DHIS2 Database (PostgreSQL) administration

Health Management Information System - Technical Assistant

World Bank - July 2022 to December 2023

- Training and Mentoring of Ministry of Health executives on taking effective hand and maintenance of the department's applications
- Skills transfer
- Fixes for anomalies found in the new DHIS2 instance
- Transfer of so-called quality data from the archive instance to the new DHIS2 instance

LLIN & SMC Campaign Digitalization Consultant - Team Lead

Catholic Relief Services (CRS) - Since February 2022

- Implementation of digitalization tools for the Long Lasting Insecticidal Net (LLIN) distribution campaign based on DHIS 2
- Installation and administration of the campaign server
- Training of agents in charge of counting and distributing LLIN

DHIS 2 Consultant - Team Lead

PRSCS / World Bank - April 2021 to January 2022

Implementation of the new DHIS2 platform for the Ministry of Health, including server installation, creation of DHIS2 instances, and development of data collection tools. Creation of indicators and dashboards, as well as user training to ensure effective use of the platform

Lead Data Manager

African Field Epidemiology Network - February 2020 to April 2021 - Guinea

- Design and development of the COVID-19 Data Management System for the Guinean Ministry of Health

Skills

Back-End

- Java, Spring, Springboot
- NodeJS
- Golang
- Python, Django

Front-End

JavaScript

Databases

PostgreSQL, MySQL, Oracle, MongoDB

Mobile

Dart, Flutter

Others

Git, Ubuntu, Docker

Education

Web Development

Computer Systems institute (Massachusetts / Charlestown)
June 2024 to June 2025

English for Speakers of Other Languages

Roxbury Community College (Massachusetts / Boston)
February 2025 to July 2025

English as a Second Language

Univerty of Massachusetts
January 2024 to May 2024

- Design and development of the Contact Tracing System for Confirmed COVID-19 Cases
- Development of Key Indicators for COVID-19 Surveillance
- Development of COVID-19 Dashboards for all levels of the health pyramid
- Design and development of the COVID-19 test results reporting system by SMS
- Design and development of the Ebola and COVID-19 contamination chain visualization system

Independent Consultant at Médical Guinée

ICT 4 HEALTH / MEDICAL GUINEA - January 2019 to December 2023

Design and development of Telemedicine solutions

Independent Consultant at GIZ

GIZ - July 2019 to October 2019

Design and development of the Guinea Ministry of Health Web Portal with funding from GIZ

Lead Data Manager

RTI International - November 2017 to January 2020 - Guinea

- Implementation of the Health Information System of Guinea based on DHIS2 for the Global Health Security Agenda project in collaboration with the CDC
- Configuration of data collection tools for routine data and epidemiological surveillance, forms for programs targeting malaria, HIV/AIDS/hepatitis, tuberculosis, and maternal death data, as well as indicators and statistical directories for all programs of the Ministry of Health and dashboards at all levels of the health pyramid
- Training of health workers at all levels of the health pyramid (region, district, hospitals, health centers) on the use of DHIS2, with the establishment of a Course Management System (CMS) platform for training health workers
- Participation in the implementation of the logistics management platform (eLMIS) for the Ministry of Health of Guinea

Independent Consultant at Baraka Transfert

Baraka Money - September 2017 to January 2018

Design and development of a money transfer system

Software Developer

ETI S.A - February 2012 to October 2017

- Participation in the design and development of identification and security systems based on multi-biometric solutions (fingerprint, facial, iris) and the implementation of document control modules for MRTD-type documents (passport, visa, identity card)
- Development of solutions for fingerprint, facial, and iris recognition; automatic and manual deduplication systems; identification and authentication, including on mobile devices; and the design of a module for generating MRZ lines for TD1, TD2, and TD3 type documents
- Participation in drafting the specifications document and in the development of systems for producing secure birth certificates, as well as secure documents such as identity cards, residence permits, driver's licenses, and biometric passports

Academy DHIS2 Android Implementation

University Of Oslo / HISP Africa

February 2018

Training on DHIS2 Mobile Eco System

DHIS 2 Fundamentals

University of Oslo

February 2018

Training on the fundamentals of dhis 2

Oracle Application Express

ETI S.A

May 2017

Agile Scrum

ETI S.A

December 2016

Android Development

Mistra / Paris

December 2015

Android application development training

Spring Framework

Mistra / Paris

December 2015

Spring Eco System Training

Quality Management Systems

ETI S.A

January 2014

ISO-9001 standards version 2008

Computer Science

Gamal Abdel Nasser University of Conakry

October 2007 to April 2010

- Participation in the design and development of interfacing between the human resources management system of the Ministry of Public Service, the payroll system of the Ministry of Budget, and the directory of the General Secretariat of the Guinean Government