

Mamadou Lamarana
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Health Information
System Specialist



35 years old
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Experiences

HMIS Technical Assistant

World Bank - Since July 2022



- ▶ 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

Catholic Relief Services (CRS) - February 2022 to July 2022



- ▶ Implementation of digitalization tools for the 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

PRSCS / World Bank - April 2021 to January 2022



- ▶ Assistance to the Ministry of Health in improving the quality of data reported via the dhis 2
- ▶ Writing of the procedure manuals for the management of the dhis 2 configuration
- ▶ Assistance in setting up new tools for collecting routine health data
- ▶ Implementation of the new Ministry of Health DHIS 2 Platform : Installation of servers - Creation of DHIS 2 instances - Implementation of data collection tools - Creation of indicators - creation of dashboards - user training

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
- ▶ 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
- ▶ Design and Development of the COVID-19 vaccination certificate production system

Independent Consultant at Médical Guinée

ICT 4 HEALTH / MEDICAL GUINEA - Since January 2019



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 Global Health Security Agenda / Center for Disease Control Project (GHSA / CDC - Guinea)

- Programming of the Guinea Health Information System based on DHIS 2 (District Health Information Software)
- Configuration of routine data collection tools and epidemiological surveillance in DHIS 2
- Configuration of data collection forms for Malaria Control, HIV / AIDS / Hepatitis and Tuberculosis Control programs in DHIS 2
- Configuration of tools for collecting individual data and maternal deaths
- Training in DHIS 2 of all health workers at all levels of the health pyramid (Region, District, Hospitals, Health Center)
- Configuration of the statistical directories of the Ministry of Health in the DHIS 2
- Configuration of dashboards for all levels of the health pyramid
- Deployment of DHIS 2 in 230 Health Centers in Guinea
- Development of an SMS gateway for DHIS 2 notifications based on the Orange SMS API
- Implementation of a Course Management System platform for the Ministry of Health of Guinea. Platform used during training for health workers
- Implementation of DHIS 2 ticket management platform based on MANTISbt
- Participation in the process of setting up the logistics management platform of the Ministry of Health of Guinea (eLMIS - Electronic Logistics Management Information Systems) at all levels of the health pyramid
- Participation in the activities of setting up Electronic Logistics Management Information Systems (eLMIS) in Guinea
- Participation in eLMIS and dhis 2 interoperability activities

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



- Design and development of identification and security systems based on Multibiometric solutions (Fingerprint, Portrait, Iris)
- Design and development of document control application supporting MRTD (Machine Readable Travel Document) documents. Passport, Visa, Id-Card
- Development of fingerprint, portrait and IRIS recognition solutions
- Design and development of line generation module MRZ (Machine Readable Zone) of the Multibio project, for documents of type TD1, TD2 and TD3
- Development of secure document production systems (identity card, residence card, driving license, biometric passport) based on chip technologies or QR Code / 2D barcode
- Development of automatic and manual deduplication, identification and authentication systems
- Development of identification and authentication systems on mobile
- Implementation of ticket and test management tools (Mantis & TestLink)
- Design and development of the interfacing project between the Human Resources management system of the Ministry of Public Service, the pay system of the Ministry of Budget and that of the directory of the General Secretariat of the Guinean Government.
- Design and development of a system for editing and producing secure civil status documents.

Skills


Back-End

- Java ★★★★★
- Spring boot ★★★★★
- C# ★★★★★☆
- Node JS ★★★★★☆
- PHP ★★★★★☆

Front-End

- HTML/CSS 
 - React JS 
 - Angular 2+ 
 - Bootstrap 
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Mobile

- Android 
 - Flutter 
-


Data Storage

- MySQL 
 - Oracle 11g 
 - PostgreSQL 
 - MongoDB 
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Health data collection Tools

- Dhis 2, OpenLMIS 
 - KoBoToolbox 
 - OpenDataKit 
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Server

- Linux, with Ubuntu distribution 
 - Firewall configuration 
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Others

- Git 
 - Docker 
 - Microservices 
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Education

Academy dhis 2 Android Implementation

University Of Oslo / HISP Africa

February 2018

Training on dhis 2 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

Formation sur la gestion de projet Agile avec le Framework Scrum

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

Bachelor's Degree in Computer Science

Gamal Abdel Nasser University of Conakry

October 2007 to April 2010
