

**ICAP at Columbia University
Job Description**

Job Title:	OpenMRS Developer/Implementer (Temporary)
Reports To (Title):	Business Intelligence Developer (BI Dev)
Incumbent:	Vacant
Location:	Kigali - Rwanda Biomedical Center (RBC)
Date:	April 21, 2020

POSITION SUMMARY:

Based at the Rwanda Biomedical Center (RBC) and under the supervision of the ICAP Rwanda Business Intelligence Developer (BI Dev) at RBC, an OpenMRS Developer/Implementer will upgrade OpenMRS v1.9 and other versions to OpenMRS version 2.x. S/he will also lead the implementation of OpenMRS v2.x.

This is a temporary position for 5 months (May – September 2020).

MAJOR ACCOUNTABILITIES:

- Upgrade OpenMRS v1.9 to OpenMRS v2.x and configure system including forms, lists and concepts.
- Set up end user devices with sufficient user privileges and access rights
- Set up and validate data backup and sync
- Configure patient dashboards using CSS, JSON, Javascript and Groovy
- Set up and maintain users with associated access rights and privileges
- Develop Reporting Module in OpenMRS (OpenMRS v1.9 and v2.x)
- Write database queries (MySQL and PostgreSQL) to generate reports
- Write and test migration scripts to migrate data from existing applications and spreadsheets
- Set up and maintain primary and secondary servers, operating systems, backup and sync mechanisms, and hosting environments required for deployment and upgrade of OpenMRS
- Provide technical support, troubleshoot and resolve issues, develops and maintain up to date documentation, and work to escalate issues as per processes setup
- Performs other duties as assigned by the supervisor

EDUCATION:

Bachelor's Degree in computer or information science/engineering, information systems/technology. Additional training in public health, health informatics, or health-related field is a plus.

EXPERIENCE, SKILLS & MINIMUM REQUIRED QUALIFICATIONS:

- 5+ years' experience in configuring and deploying EMRs at different levels of health facilities. Experience developing and implementing OpenMRS is preferred.
- Extensive experience deploying and troubleshooting MySQL, PostgreSQL and other open source databases
- Experience in coding Java, Tomcat and MySQL scripts and Unix shell scripts is a must
- Proficient in JSON, JavaScript, HTML, CSS, Groovy and other scripting languages
- Knowledge of Java and Python programming languages
- Deep know-how in deployment, troubleshooting and maintenance of servers such as Tomcat and Apache
- Experience working on various Linux distributions including CentOS, Debian and Ubuntu
- Experience with virtualization platforms, e.g. Docker
- Skilled in setting up and using helpdesk tools such as Nagios for server monitoring
- Experience in OpenMRS development
- Knowledge of cloud hosting instances using AWS

EXPERIENCE, SKILLS & PREFERRED QUALIFICATIONS:

- Strong organizational skills and ability to work in a culturally diverse environment
- Great interpersonal skills and a genuine desire to learn new skill sets
- Self-starter able to initiate and follow through programs with minimal supervision
- Strong written and oral communication skills
- Experience working in low resource settings
- English required, French an advantage
- Active participation in the OpenMRS community, with recent demonstrated experience in an OpenMRS project.

TRAVEL REQUIREMENTS:

- No frequent travel or trips required