



UNIVERSITY OF NAIROBI EXTERNAL JOB VACANCIES (PROJECT POSITIONS)

Applications are invited for the following position:

OPENMRS/REACTJS DEVELOPER, HISTAC PROJECT, FACULTY OF HEALTH SCIENCES - AD/2/8/23 - (1 POST)

Background

The University of Nairobi, Faculty of Health Sciences (UoN-FHS) received a Sub-Award from University of California San Francisco (UCSF) following a successful collaborative application for funding to US Centers for Disease Control and Prevention (CDC) under the project entitled “Health Information Systems Technical Assistance Consortium (HISTAC) Project”. This project aims to develop OpenMRS system for the program entitled “HQ Supported Development, Implementation, Use and Evaluation of Interoperable Health Information Systems to Achieve HIV/AIDS and TB Epidemic Control through Improved Health Informatics Policy, Governance, Workforce Capacity, and Systems under PEPFAR” in at least five countries in Africa.

The Position

Reporting to the Principal Investigator, or his delegated authority appointee, the OpenMRS/ReactJS Developer shall be responsible for ensuring the alignment of web design and user experience requirements, optimizing web pages for maximum efficiency and maintaining consistency across all pages. He/she will be required to work other team members including Backend Developers, UX Designers, and Business analysts to ensure project requirements are met consistently. The developer shall also ensure that the different software developed conforms to country software development standards by conducting rigorous diagnosis, tests, code debugging, and technical documentation through reference manuals. The developer must be able to demonstrate their skills and show proof of their OpenMRS work.

Responsibilities

- Work with Senior OpenMRS Developer and other developers to design software solutions by studying information needs; systems flow, data usage, and work processes while adhering to the software development lifecycle
- Work to ensure that the structure and design of web pages, ensuring user experience determines design choices
- Develop features to enhance the user experience, with the right balance between functional and aesthetic design.
- Optimize web pages for maximum speed and scalability

- Develop workflows from data collection forms, clinical dashboards with decision support summaries, monitoring and clinical reports
- Support the piloting, rollout and maintenance of HIS systems in public health facilities.
- Work with HIS business analysts and developers to investigate, analyse and make recommendations to management regarding technology improvements, upgrades and modifications
- Work with HIS business analysts to analyse user needs and software requirements to determine feasibility of design within time and cost constraints.
- Work with Senior OpenMRS developer to prepare reference materials for end and technical users by writing operating instructions, flowcharts, layouts, diagrams, charts, code comments and clear code
- Undertake such other tasks within the scope of the role as directed by leadership from time to time.

Required Academic Qualifications

A bachelor's degree in either; Computer Science, Software Engineering, Informatics, or Information Computer Technology

Experience

- A minimum of one (1) year of experience using Java, Spring, Hibernate, ReactJs, TypeScript as a software developer
- Experience with deployment of OpenMRS and development of OpenMRS Modules
- Ability to speak to high level leadership who may need technical descriptions and developments translated to ease understanding and acceptance
- Advanced experience in developing data-driven applications utilizing significant relational database engines as part of the overall application architecture (experience with any or all of the following highly desirable: PostgreSQL, MySQL)
- Experience in managing online platforms holding large numbers of users will be added advantage

Required Skills, Knowledge and Abilities

- Working experience using Java, Spring, Hibernate, HTML, CSS, JavaScript and ReactJS, Git, Restful web services, Agile methodology, Maven,
- Advanced knowledge and demonstrable skill with popular open source programming languages (must include JavaScript)
- Proficiency developing and troubleshooting complex software systems that run in mixed-environments including Linux, Unix and/or Windows on desktop, server, tablet, and mobile systems
- Experience with both back-end and front-end development will be an added advantage

Terms of appointment

This is a position whose tenure is one (1) year contract renewable based on performance and by mutual consent. The salary is negotiable depending on the level of education and work experience.

NOTES

1. Applicants should email their application letters, certified copies of certificates and curriculum vitae (CV) giving details of their qualifications, experience and three (3) referees, as well as indicating their telephone and e-mail contacts.
2. Applications and related documents should be forwarded through applicants' Heads of Departments, where applicable, and be addressed to the Director, Human Resource, University of Nairobi.
3. Applicants should state their current designations, salaries and other benefits attached to those designations.
4. The application letter must bear the reference code indicated in the advertisement.
5. Late applications will not be considered.
6. Applications should be emailed to recruit-omrjsdhistacp@uonbi.ac.ke as one file in PDF.

CLOSING DATE: THURSDAY MARCH 2, 2023

**THE UNIVERSITY OF NAIROBI IS AN EQUAL OPPORTUNITY EMPLOYER.
ONLY SHORTLISTED APPLICANTS WILL BE CONTACTED.**