UNIVERSITY OF DAR ES SALAAM

College of Information and Communication Technologies (COICT)
Department of Computer Science and Engineering

VACANCIES

BACKGROUND

The Department of Computer Science and Engineering (CSE) under the College of Information and Communication Technologies (CoICT) is located at CoICT Kijitonyama Campus along Ali Hassan Mwinyi Road, Dar es Salaam. CSE has a long history of providing technical support to public and private sectors in the computing field. Besides its core research, innovation, and training activities, it offers technical support in designing, developing, implementing, and evaluating electronic-based information systems and other software and digital applications.

The experts under the UDSM DHIS2 (digital health) lab (www.dhis2.udsm.ac.tz) in the Department of Computer Science and Engineering have been critical in adopting and implementing digital health solutions in the health sectors of Tanzania Mainland and Zanzibar for over the past 20 years. The UDSM DHIS2 lab collaborates with government ministries, Departments, Agencies, Non-Governmental Organizations, private healthcare providers, Universities, and developing partners in designing, developing training, and user support of the HMIS- District Health Information Software Version 2 (DHIS2), Hospital Management Information Systems, Disease Surveillance systems, Routine M&E systems, and digital systems & technologies in Health, Agriculture, Education, and Social welfare.

The DHIS2 is one of the global standard Health Management Information System (HMIS) platforms implemented and used in more than 100 countries worldwide. The Government of Tanzania has adopted the DHIS2 as its national HMIS software. In addition, DHIS2 is being used by other programs within and beyond the health sector. DHIS2 Project is hereby inviting suitable and qualified Tanzanians to fill the following vacancies:-

Job Title: ICT Officer (Software developer)
Number of Posts: 3
Location: CoICT Kijitonyama Campus, UDSM

A. KEY DUTIES/ RESPONSIBILITIES

The successful candidates shall be involved in designing, developing, implementing, supporting, and maintaining digital health information systems and related applications, including mobile apps. Specific duties are:

● To participate in software architecture design and code reviews;
● To develop high-quality and reliable software systems;
● To develop prototypes to prove knowledge of fundamental design concepts;
● To develop information systems and application software;
● To write unit and integration tests to ensure the quality of software products;
● To collaborate with other team members to plan and organize software development activities, and
● To critically read and write design documents.

B. DESIRABLES ACADEMIC QUALIFICATIONS

Bachelor's degree qualifications from reputable higher learning institutions in any of the following fields:

● Computer science,
● Information technology,
● Computer engineering
● Information systems
● Health informatics
● Health information systems
● Digital health systems
● Software engineering
● Any other related fields

C. KEY QUALIFICATIONS AND SKILLS

● Strong skills and experience in software development;
● Knowledge of different programming languages, software development; frameworks, and software development methodologies;
● Knowledge and experience in software version control techniques and tools;
● Ability to work effectively in a dynamic environment with changing needs and requirements;
● Excellent analytical skills, creative thinking, and problem-solving skills;
● Strong interpersonal skills and excellent communication skills;
● Attention to detail;
● Rich knowledge and experience in information systems development;
● Reasonable command of system development technologies and their application, and
● Experience in software development and implementation of information systems.

D. ADDED ADVANTAGE

● Ability to travel upcountry *(about 50%)* and flexibility on working hours and schedules;
● Be available to start work as soon as the 1st December, 2023; and
● Knowledge of or working experience with the DHIS2 software and other digital health systems.

E. TERMS AND REMUNERATIONS
● Attractive salary and other benefits will be paid based on qualifications, experience, and competitiveness; and
● One-year contract with a possibility of extension based on performance.

F. HOW TO APPLY
Interested candidates should address their applications with cover letters addressed to:

The Head,
Computer Science and Engineering Department,
College of Information and Communication Technologies,
University of Dar es Salaam,
P.O. Box 33335,
Dar es Salaam.

G. APPLICATION SUBMISSION
Applications should be submitted through UDSM recruitment portal by using the following address and not otherwise: https://hrmis.udsm.ac.tz/hrportal/index.php/application_list

DEADLINE
Two weeks from the date of first appearance of this advertisement.

NOTE
Only shortlisted candidates will be consulted and invited to participate in the screening process, including **written and practical programming assessments and oral interviews**.