JOB TITLE: System Programming and Database Officer I

ICT

Dar es Salaam

Permanent

Deadline: Thursday, 26th November 2026, at 17:00 hrs

Job Purpose

To manage and support TRA SACCOS databases, information systems, and software applications by ensuring data accuracy, system reliability, security, and effective technology solutions that improve operational efficiency and support business decision-making

Reporting to: Head of ICT Department

Duties and Responsibilities

1. Administer, maintain, and secure databases, including installation, configuration, backup, recovery, and disaster recovery processes.
2. Design, develop, test and maintain software applications and system modules in line with user and organisational requirements.
3. Design, implement and administer databases, including writing queries, optimising performance, and managing backups and data security.
4. Troubleshoot and resolve software and database issues, and prepare

technical documentation for the systems developed.
5. Design, develop, and maintain databases, applications, scripts, and system components to support business operations.
6. Develop, customize, test, deploy, and maintain secure web-based and desktop applications.
7. Support system integration, troubleshoot database and application issues, and implement appropriate security controls.
8. Perform any other duties as may be assigned by the Supervisor.

Requirements

Qualification and Experience

Possess Bachelor degree or Advanced diploma with upper second class or above in Information Technology, Computer Science, Information systems, Computer engineering, software engineering or any other ICT related discipline from a recognized Institution; with working experience of at least 2 years of work experience in related field. Possession of any of the following ICT certification CCNA, CISSP, CEH, CISM, OCA, CISA, CompTIA Security or any other certification in the related fields and proficiency in languages such as C, C++, C#, Java, Python, or Go, along with a firm grasp of Object-Oriented Programming (OOP) and Software Development Life Cycle (SDLC) methodologies will be an added advantage.

Experience

1. Proven practical experience in programming using one or more languages (e.g. Python, PHP, Java, JavaScript or C# e.t.c), demonstrated through completed and working systems.
2. Practical experience in designing and managing relational databases such as MySQL, PostgreSQL, Microsoft SQL Server or Oracle, including writing SQL queries.
3. Experience in developing and deploying at least one database-driven application from requirements through to a live production environment.

Skills and Abilities Required

1. Strong analytical, troubleshooting, problem-solving, organizational, and communication skills with attention to detail and quality.
2. High integrity, business acumen, and commitment to maintaining the confidentiality and security of customer information.
3. Strong foundation in software engineering, database administration, and system architecture to build, maintain and secure enterprise applications.

Submission Details:

Signed applications should be addressed to:

The Board Chairman,

TRA SACCOS LTD,

P.O. BOX 63225,

DAR ES SALAAM.

APPLY HERE