



UNIVERSITY OF DAR ES SALAAM COMPUTING CENTRE

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VACANCIES

University of Dar es Salaam Computing Centre (UCC) is an information and communications technology (ICT) Services Company wholly owned by the University of Dar es Salaam (UDSM). UCC provides ICT services and products to the University of Dar es Salaam as well as the general public. Its portfolio of products and services include Software development; ICT Training and consultancy; Internet; Hardware Maintenance and Repair; Networks (i.e. Local Area Network and Wide Area Network) Design, Installation and Maintenance; and Web design and Hosting.

UCC is hereby inviting applications from suitable qualified candidates to immediately fill in the following vacant positions currently existing in the company.

1. POSITION: SENIOR SYSTEMS ANALYST (2) POST

Work Station: Dar es Salaam

Report to: Manager, Software Engineering

Duties and responsibilities

- (i) **Systems analysis.** Takes responsibility for understanding client requirements, collecting data, delivering analysis and problem resolution. Identifies, evaluates and recommends options, implementing if required. Collaborates with, and facilitates stakeholder groups, as part of formal or informal consultancy agreements. Seeks to fully address client needs, enhancing the capabilities and effectiveness of client personnel, by ensuring that proposed solutions are properly understood and appropriately exploited.
- (ii) **Systems design.** Specifies and designs large or complex systems. Selects appropriate design standards, methods and tools, consistent with agreed enterprise and solution architectures and ensures they are applied effectively. Reviews others' systems designs to ensure selection of appropriate technology, efficient use of resources, and integration of multiple systems and technology. Contributes to policy for selection of architecture components. Evaluates and undertakes impact analysis on major design options and assesses and manages associated risks. Ensures that the system design balances functional, service quality, security and systems management requirements.
- (iii) **Programming/software development.** Designs, codes , tests, corrects and documents complex programs and scripts from agreed specifications, and subsequent iterations, using agreed standards and tools, to achieve a well-engineered result. Takes part in reviews of own work and leads reviews of colleagues' work.

Minimum Qualifications

- Bachelor's degree in computer science or a related field
- Strong portfolio demonstrating your systems analysis and design skills
- Expert knowledge of Microsoft .NET, ASP.NET MVC, C#, relational databases SQL Server 2012, and PHP and MVC frameworks(Yii/Yii2 will be an added advantage)
- Strong analytical, problem solving, and decision making skills.

- Excellent verbal, written and interpersonal communication skills
- Effective and proven to move projects forward on a schedule with minimal direct supervision.
- Five or more years of industry experience

2. POSITION: SENIOR HEALTH SYSTEMS ANALYST (1) POST

Work Station: Dar es Salaam

Report to: Manager, Software Engineering

Duties and responsibilities

- (i) **Health systems analysis and Design.** Takes responsibility for recommending and instituting business analysis best practice in accordance with the National Health guidelines and standards for Management Information Systems and other Standards in the Health Sector. The Analyst will solicit, understand, and document the customer's business requirements, processes and workflows. Will be responsible for developing both written and visual depictions of requirements and process flows in health facility's setting and other health related systems. The analyst will serve as a subject matter expert to the developers building those health related functions, and work with the Quality Assurance team to test the developed functionality. This role works closely with others in the health sector including Business Analysts, Developers, Testers, and end users in the Production.

This job requires an experienced analyst who can partner effectively with all levels of the organization, lead others, drive results, proactively identify and resolve problems, and make challenging decisions.

- (ii) **Other duties and responsibilities as shown for Senior Systems Analyst Post**

Minimum Qualifications

- Bachelor's degree in computer science or a related field
- Strong portfolio demonstrating your systems analysis and design skills
- Expert knowledge of Microsoft .NET, ASP.NET MVC, C#, relational databases SQL Server 2012, and PHP and MVC frameworks(Yii/Yii2 will be an added advantage)
- Strong analytical, problem solving, and decision making skills.
- Excellent verbal, written and interpersonal communication skills
- Effective and proven to move projects forward on a schedule with minimal direct supervision.
- Five or more years of experience in implementing software in the health industry.

3. POSITION: SENIOR SOFTWARE DEVELOPER – (4) POST

Work Station: Dar es Salaam

Report to: Manager, Software Engineering

Duties and responsibilities

- (i) **Software Design.** Work with team members to design innovative software programs that improve and simplify customer experience, design fault tolerant, redundant systems that are highly available and resolve complex technical design issues.
- (ii) **Programming/software development.** Designs, codes ,corrects and documents complex programs and scripts from agreed specifications, and subsequent

iterations, using agreed standards and tools to achieve a well-engineered result. Take part in reviews of own work and leads reviews of colleagues' work.

- (iii) **Software Testing and Debugging.** Leverage modern best practices such as Test Driven Development and Continuous Integration to deliver system earlier, unit testing, and integration testing, debug complex issues found in production between multiple systems or services in a controlled environment and in real life system usage.
- (iv) **Participate in Software Development Process.** In the full development process, provide software documentation, Participate in software product definition including business case or gap analysis. Participate in, and help lead various agile ceremony meetings (Sprint Planning, Stand-up, Pair-Programming, Code Reviews, Retrospective, etc.)
- (v) **Coach other members of the team on technology and best practices**

Minimum Qualifications

- BSc or MSc in Computer Science or computer related field
- Expertise in multiple modern programming languages across multiple platforms and systems (Java, Python, PHP, C#, Ruby, etc.)
- Comfortable with full development stack (e.g. UX, Web, API, Business Logic, database).
- Expert knowledge in Scrum and/or other agile development methodologies
- Experience in a mixed operating system environment (Windows, Linux)
- Five or more years of industry experience

4. POSITION: SOFTWARE DEVELOPER – (6) POST

Work Station: Dar es Salaam

Report to: Manager, Software Engineering

Duties and responsibilities

- (i) **Programming/software development.** Designs, codes ,corrects and documents programs and scripts from agreed specifications, and subsequent iterations, using agreed standards and tools to achieve a well-engineered result. Takes part in reviews of own work and reviews of colleagues' work.
- (ii) **Software Testing and Debugging.** Carry out unit testing, integration testing and debug issues found in production between multiple systems or services in a controlled environment and in real life system usage. Analyze performance of programs and take action to correct deficiencies based on consultation with users and approval of supervisor. Document programming problems and resolutions for future reference.
- (iii) **Participate in Software Development Process.** In the full development process, write and maintain programming documentation, Participation in software product definition, Participate in various agile ceremony meetings (Sprint Planning, Stand-up, Pair-Programming, Code Reviews, Retrospective, etc.)

Minimum Qualifications

- BSc in Computer Science or computer related field
- Expertise in multiple modern programming languages across multiple platforms and systems (Java, Python, PHP, C#, Ruby, etc.)
- Comfortable with full development stack (e.g. UX, Web, API, Business Logic, database).
- Expert knowledge in Scrum and/or other agile development methodologies
- Experience in a mixed operating system environment (Windows, Linux)
- Three or more years of industry experience

Remuneration: Attractive.

GENERAL CONDITIONS

- a. Testimonials and all Partial transcripts will not be accepted;
- b. Applicants should indicate three reputable referees with their reliable contacts;
- c. Certificates from foreign examination bodies for Ordinary or Advanced level education should be certified by The National Examination Council of Tanzania (NECTA) and National Council for Technical Education (NACTE);
- d. Certificates from foreign Universities should be verified by The Tanzania Commission for Universities (TCU);
- e. Applicants must attach their certified copies of relevant certificates.

Mode of Application. Eligible Candidates should send Application letter and Curriculum Vitae to:

The Managing Director,
University of Dar es Salaam Computing Centre,
P.O. Box 35062,
DAR ES SALAAM.

Closing date for receiving application is two weeks from the date of the first appearance of the advertisement. Only short-listed candidates will be contacted for interview.