



## UNIVERSITY OF DAR ES SALAAM COMPUTING CENTRE

P. O. Box 35062,  
Dar-Es-Salaam,  
Tanzania.  
Email: [mducc@udsm.ac.tz](mailto:mducc@udsm.ac.tz)

Tel: 255 (22) 2410645  
255 (22) 2410500-8 Ext. 2720  
Mobile: 0754-782120  
Fax: 255 (22) 2410690



### 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 NETWORK ENGINEER

**Work Station:** Dar es Salaam

**Report to:** Manager, Network and Systems Engineering

**Duties and Responsibilities:**

##### **Data Centre**

- (i) Management of Data Centre infrastructure (power, cooling and physical access).
- (ii) Design and implementation of the processes, procedures and operational management associated with Data Centre security and business continuity.
- (iii) Data Centre documentation and policy creation and management.
- (iv) Management of Data Centre service providers; defining and monitoring contractual obligations, performance delivery and service level agreements.
- (v) Management of infrastructure costs.
- (vi) Maintenance of professional standards of Data Centres facilities (cleanliness, rack security, shared consoles and keyboards).
- (vii) 24 x 7 Support of Infrastructure Services
- (viii) Capacity planning.

##### **Network Operations**

- (ix) Planning, procurement, designing, developing, configuring and commissioning networks and associated systems for network monitoring and incident management.
- (x) Network documentation and policy design/compliance.
- (xi) Analyzing, evaluating and monitoring network infrastructure to ensure networks are configured to operate at optimal performance.
- (xii) Troubleshooting and diagnosing network problems, and determining the most appropriate means of resolving problems and issues to improve network performance.
- (xiii) Monitoring the overall performance of systems to assess the need for updates, upgrades, enhancements, preventive maintenance and new systems, and recommending options for upgrading and improving the performance of systems.

- (xiv) Scheduling and conducting quality audit inspections.
- (xv) Liaising with network carriers and external resources for these organizations; defining and monitoring contractual obligations, performance delivery and service level agreements.
- (xvi) Management and reconciliation of network supplier costs.
- (xvii) Design and implementation of the processes, procedures and operational management associated with high levels of network availability and risk management.
- (xviii) Capacity planning.
- (xix) 24 x 7 Support of Network Services

#### **Business Growth & Development**

- (xx) Research and development of new products and service relevant to areas of responsibility.
- (xxi) Business case development and evaluation in support of proposed initiatives in conjunction with the Engineering Team Lead.
- (xxii) Strategic and Tactical planning and budget development for data centre and network operations in conjunction with the Engineering Team Lead.
- (xxiii) Pre-sales support for the sales team.

#### **Technical Skills and Requirements**

- (i) Experience: At least 8 years working in a technical environment with a focus on network management
- (ii) Education: Bachelor Degree in Computer Science, Information Technology or similar.
- (iii) Certifications: MCSE, CCNA, CCNP, CCIE, CNE desired
- (iv) Systems: Windows, Cisco Systems, UNIX, Linux, Novell
- (v) Networking: Switches, Routers, Cables, Racks, Firewalls, LAN, VLAN, WAN, VPN, TCP/IP, DNS, UDP, Latency, VoIP, QoS, EIGRP, BGP, OSPF, NHRP, ATM, PPP, MPLS

## **2. POSITION: SENIOR SOFTWARE DEVELOPER (RE-ADVERTISED)**

**Work Station:** Dar es Salaam

**Report to:** Manager, Software Engineering

#### **Duties and responsibilities**

- (i) Participation in software product definition, including business case or gap analysis
- (ii) Work with team members to design innovative software programs that improve and simplify customer experience
- (iii) Coding, unit testing, and integration testing
- (iv) Debug complex issues found in production between multiple systems or services
- (v) Design fault tolerant, redundant systems that are highly available
- (vi) Leverage modern best practices such as Test Driven Development and Continuous Integration to deliver early and often
- (vii) Participate in and help lead various agile ceremony meetings (Sprint Planning, Stand-up, Pair-Programming, Code Reviews, Retrospective, etc.)
- (viii) Coach other members of the team on technology and best practices

#### **Minimum Qualifications**

- Experience: At least 8 years working in a technical environment with a focus on software development
- 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)

### 3. POSITION: SOFTWARE DEVELOPER

**Work Station:** Dar es Salaam

**Report to:** Manager, Software Engineering

#### **Duties and responsibilities**

- (i) Participation in software product definition, including business case or gap analysis
- (ii) Work with team members to design innovative software programs that improve and simplify customer experience
- (iii) Coding, unit testing, and integration testing
- (iv) Debug issues found in production between multiple systems or services
- (v) Read, understand and effectively implement system specifications into Software Product
- (vi) Develop fault tolerant, redundant systems that are highly available
- (vii) Leverage modern best practices such as Test Driven Development and Continuous Integration to deliver early and often
- (viii) Participate in various agile ceremony meetings (Sprint Planning, Stand-up, Pair-Programming, Code Reviews, Retrospective, etc.)

#### **Minimum Qualifications**

- Experience: At least 5 years working in a technical environment with a focus on software development
- 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)

**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.