COSEKE
"Quality Means No Compromise"

JOB DESCRIPTION

Position Title: Intern Software Engineer

Level: Intern

Department: Technical Department

Duty Station: Tanzania

Reports To: Technical Operations Manager

Deadline : 8ᵗʰ October 2021

JOB SUMMARY

➢ **Key Responsibilities:**

● Design, development, deployment and testing of solutions.

● Implement and debug subsystems and components

● Installation and configuration of software as per the specified terms and requirements.

● Documentation of solutions provided (reports, user and technical manuals), as per specifications given.

● Comply with project plans and industry standards as specified and required in each project

● Determines operational feasibility of given project by evaluating analysis, problem definition, requirements, solution development, and proposed solutions.

● Point of reference on response to tenders, quotations and other advisory tasks related to COSEKE software solutions.

● Protects operations by keeping information confidential.

● Integrate software components into a fully functional software system

● Participate in Proof of Concept and Demos/Presentations.

● Proficiency in Linux/Unix Operating system

● Database systems development using SQL 2000, 2005 and 2008, Oracle Databases and IBM Informix

● Perform tasks efficiently and work together with team to ensure project success.

● ● proficiency in the following programming languages

● ● Java,

● ● javascript and use of jquery,

● ● nodejs,

● ● HTML,

● ● CSS,

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- ● PHP,
- ● python will be an added advantage

- Performs all activities associated with evaluating systems requirements, designing appropriate test plans and performing software tests
- Must understand technical documents describing systems and processes, and demonstrate an aptitude and willingness to keep technical skills current by learning new languages, operating systems, hardware, tools and technology.
- Analyze customer testing requirements and translate into appropriate test plans
- Generate test related documents
- Work in a team and individual work environment
- May lead or participate on cross functional team

1. **You shall be expected to perform any other duties as indicated below**

- To act in accordance with the instruction of and comply with all lawful directions of the company's management.
- To Promote and safeguard at all times the interest of the company and its business
  and not do anything detrimental to those interest.
- To maintain absolute confidentiality in your work matters and company's records.
- Employee shall also perform such further duties as are incidental or implied from the foregoing, consistent with the background, training and qualifications of Employee or may be reasonably delegated as being in the best interests of the Company.
- The Employee shall devote full time to his employment and expend best efforts
  on behalf of Company.
- Employee further agrees to abide by all reasonable Company policies and decisions now or hereinafter existing.
- Advising management team on trends in the market that directly affect revenue
  and put forth proposals for mitigation.
- Assisting in tender preparation and submission
- Any other duties assigned by the Technical Operations Manager.
- ➢ Key Performance Indicators

1. Duration
   a) How long it takes to implement a project
   b) How long it takes to do data migration to cloud, or application migration and whether it meets the set expectations.

2. Disruption
   a) Availability of critical services
   b) Length of downtime of services and data centers (Amazon, Google Cloud)
   c) Degradation of service due to downtime
   d) Number of service tickets generated
3. Cost of migration
   a) How efficient is the cost of migration and are there profits being recouped
   b) Time of having a full cloud client system functional and operational

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4. Infrastructure - Your KPI will be how efficient you have managed the cloud infrastructure as follows
    a) CPU usage percentage
    b) Memory usage
    c) Disk performance
    d) Network latency
    e) Load balancing
    f) Error rates (failed requests/total requests)
    g) Application availability
    h) Latency
    i) Number of time-outs
    j) Throughput

Note: This job description is not incorporated in the employment contract. It is intended as a guide and should not be viewed as an inflexible specification as it may be varied from time to time in the light of strategic developments and following discussion with the post holder. The post holder will be expected to work to the agreed objectives, which should facilitate achievement of the responsibilities in accordance with the performance review process.

Date of issue: 29th September 2021