

REQUEST FOR EXPRESSIONS OF INTEREST

AFRICAN DEVELOPMENT BANK

Avenue Joseph Anoma, 01 B.P. 1387, Abidjan, CÔTE d'IVOIRE

Corporate IT Services Department (CHIS)

E-mail: IT_Recruitment@AFDB.ORG

Telephone: (+225) 20 26 22 61/ (+225) 20 26 25 83

1. The African Development Bank hereby invites Individual Consultants to indicate their interest in the following Assignment: **Solutions Architect**.
2. The objective of the consultancy is to perform the necessary leadership, analysis and design tasks related to the development of an enterprise solution architecture (ESA) and solutions (cloud and mobile) and be part of the enterprise architecture team and will report to the Principal Enterprise Architect. The consultant will have to define the principles to guide solution decisions for the enterprise, design and lead the implementation of an ESA based on enterprise business requirements and IT strategies, and direct activities associated with ensuring ESA compliance and digital transformation objectives

The assignment will require strong and sound expert in all phases of the software development life cycle with extensive knowledge of the Microsoft development environment, SAP Hana knowledge, mobile development platforms (Android and IOS and others). Understand business drivers and business capabilities (future and current state), and determine corresponding enterprise system designs and change requirements to drive the organization's targeted business outcomes are key success factors.

The consultant's duties will involve the following:

- Understand, advocate and augment the principles of information technology strategies.
- Coordinate solution architecture implementation and modification activities.
- Develop a roadmap of the evolution of the enterprise application portfolio from current to future state
- Facilitate the evaluation and selection of software and mobile product standards, as well as the design of standard software configurations.
- Consult with application or infrastructure development projects to fit systems or infrastructure to architecture, and identify when it is necessary to modify the solution architecture to accommodate project needs.
- Document all solution architecture design and analysis work.
- Review, perform business and technical requirements gathering, use-case discovery, and platform analysis.

- Generate convincing and substantiated technology and architecture recommendations for architecture review and design authority.
- Assist technical lead for all implementation and integration efforts of the solution.
- Identify and define integration points with third party solutions.
- Define and document tools and technologies used for the implementation of the solution.
- Perform problem analysis (identify root causes, outline resolution options, and take appropriate actions to resolve problems).
- Review design of architecture based on enterprise business strategy, business capabilities and business requirements.
- As part of enterprise architecture team, the consultant will work closely with the program management office (PMO) to ensure the execution of plans corresponds with what is being promised.
- Assist the test of the applications as per Standards and procedures of the Bank for internal quality assurance.
- Provide weekly and monthly progress status report to the project Manager.
- Ensure knowledge transfer to AFDB technical team thru adequate documentation and training.
- Prepare the final assignment report to be approved by the Project Manager.
- Provide assistance to digital transformation ongoing programs, namely SAP transformation program, to mobile Fist program, and to cloud preference program.

3. Essential qualifications and skills

- At least Master/Engineering degree in computer science, systems analysis or a related study, or equivalent experience.
- At least 8 years of experience in at least two IT disciplines in a client/server or service-oriented architecture (SOA) environment, Model view and controller (MVC), including technical architecture, application development, middleware, database management or operations, DevOps and Cloud Knowledge (azure or amazon certificate), Mobile development platforms and Office 365.
- Exposure to multiple, diverse technologies and processing environments.
- Exceptional interpersonal skills, including teamwork, facilitation and negotiation.
- Strong leadership skills.
- Strong skills in Microsoft Technologies (.Net and .Net Core) and SAP Hana knowledge
- Excellent analytical and technical skills.
- Excellent BI skills.
- Excellent written and verbal communication skills.

- Excellent planning and organizational skills.
 - Knowledge of all components of an enterprise technical architecture.
 - Knowledge of business process re-engineering principles and processes.
 - Basic knowledge of financial models and budgeting.
 - Strong understanding of network architecture and application development methodologies.
 - Strong understanding of SOA, object-oriented analysis and design, and/or client/server systems.
 - Ability to understand the long-term ("big picture") and short-term perspectives of situations.
 - Ability to translate business needs into solution architecture requirements.
 - Ability to estimate the financial impact of solution architecture alternatives.
 - Ability to apply multiple technical solutions to business problems.
 - Ability to quickly comprehend the functions and capabilities of new technologies.
 - Show true leadership or ability to provide knowledge
 - to be willing to work often on complex architectures as technical lead is an advantage
4. The **Corporate Information Technology Services Department (CHIS)** invites Individual Consultants to indicate their interest in providing the above-described services. Interested Consultants shall provide information on their qualifications and experience demonstrating their ability to undertake this Assignment (**CV, reference to similar services, experience in similar assignments, etc.**).
 5. The eligibility criteria, the establishment of a short list and the selection procedures shall be in conformity with the Bank's procedures for the acquisition of consulting services funded by the administrative or capital expenditure. Please, note that interest expressed by a Consultant does not imply any obligation on the part of the Bank to include him/her in the shortlist.
 6. The estimated duration of services is **six (06) months** and the estimated starting date is **01 July 2019**.
 7. Interested Individual Consultants may obtain further information at the address below during the Bank's working hours: from 08:00 to 17:00 hours, Abidjan Local Time.
 8. Expressions of interest must be received by email at the address below no later than **Friday, 24 May 2019 at 17:00 hours, Abidjan local time** and specifically mentioning "**Solutions Architect**".

For the attention of: **IT Recruitment Team**
African Development Bank
Corporate IT Services Department (CHIS)

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9. ESTABLISHMENT OF THE SHORT LIST

A shortlist of three to six individual consultants will be established at the end the request of expressions of interest. The consultants on the shortlist will be judged on the following criteria on the basis of their updated resume.

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| i. | Level of education in general | 20% |
| ii. | Educational level compared to the field of mission | 20% |
| iii. | Years of experience in general | 20% |
| iv. | Number of years of experience relevant to the mission | 40% |