



Food and Agriculture Organization of the United Nations

VACANCY ANNOUNCEMENT N°: IRC4285

CALL FOR EXPRESSIONS OF INTEREST

Issued on: 22 June 2017

Deadline For Application: 6 July 2017

ROSTER: DATA WAREHOUSE AND BUSINESS INTELLIGENCE ENGINEER

TYPE OF CONTRACT: International Consultant

JOB TITLE: DATA WAREHOUSE AND BUSINESS INTELLIGENCE ENGINEER

DUTY STATION: Rome, Italy

ORGANIZATIONAL UNIT: INFORMATION TECHNOLOGY DIVISION, CIO

DURATION: Up to 11 months, with 3-month probationary period, on a WAE basis

FAO seeks gender, geographical and linguistic diversity in its staff and international consultants in order to best serve FAO Members in all regions.

**Qualified female applicants and qualified nationals of non-and under-represented member countries are encouraged to apply.
Persons with disabilities are equally encouraged to apply.
All applications will be treated with the strictest confidence.**

Organizational Setting

The Information Technology Division (CIO) is responsible for all IT activities within the Organization. CIO performs on behalf of the Organization the following critical roles: defining FAO IT policies and providing strategic advice on IT architecture and standards, governance, policy and operational matters while monitoring organizational compliance; defining the mechanisms for managing FAO's information and data; protecting FAO's information assets and ensuring confidentiality, integrity and availability; ensuring provision of IT services that are core for the Organization's global operations and supporting the information and business processes; coordinating organization-wide IT activities in order to reduce duplication and fragmentation and to increase integration of information data, systems and platforms, mobilizing IT resources from across the Organization.

FAO International Consultants and Call purpose

The Organization frequently engages experts to work on short-term projects as international consultants. An international consultant is engaged by the Organization to provide expertise, skills or knowledge for the performance of a specific task or piece of work, which would be short-term by nature. The assignment may involve full-time or part-time functions similar to those of staff members

The assignment can be from 1 month up to 11 months. The possibility of extension is subject to satisfactory performance and depending on the resources and needs of the Organization.

CIO is seeking software developers to design and build data warehouse and business intelligence applications.

The objective of the Call is to attract talents with relevant experience and background to populate the developer roster. Experts who are registered in the Roster are available for consideration whenever relevant opportunities arise.

Reporting Lines

The Developer reports to a software development technical team leader under the overall direction of the Senior Software Development Officer

Technical Focus

Develop Data Warehouse and Business Intelligence Applications.

Specific functions

They will perform the following duties with respect to information systems:

- Participate in an Agile software development team building high quality and effective software products that deliver real business in the shortest time.
- Develop Data Warehouse and Business Intelligence applications.
- Take part in various initiatives related to on-going enhancements and provisioning on new capabilities within the Integrated Management Information System (iMIS), including both enhancements of current system components, on-demand new development and projects.
- As and when required, provide expertise in resolution of incidents and problems related to the Integrated Management Information System (consisting of a corporate Data Warehouse and Business Intelligence platform), performing in-depth analysis of data integration, BI functionality and data quality issues providing recommendations.
- Participate in design discussions, develop mock-ups and translate business requirements into technical tasks.
- Design and execute cross platform testing and verification.
- Program, test, debug and maintain applications; also address systems performance issues and crashes as per operations requests when necessary.
- Ensure coherency and compliance with appropriate organizational standards in close collaboration with quality assurance (QA), information security (InfoSec) and user experience functions (UX).
- Other related duties as necessary.

CANDIDATES WILL BE ASSESSED AGAINST THE FOLLOWING

Minimum Requirements

- At least 3 years of experience developing large scale Data Warehouse and Business Intelligence applications preferably in public sector organization.
- Demonstrable ability to design and implement Data Warehouse and Business Intelligence applications.
- Solid understanding of relational database design and data warehousing methodologies.
- Concrete experience working with:
 - Oracle OBIEE
 - Oracle EBS R12 data structures or similar ERP system.
 - Oracle RDBMS, SQL and PL/SQL
- General knowledge and understanding of a broad variety of data techniques, tools and products including:
 - Databases (e.g. Relational, Columnar, OLAP, NoSQL, JSON, Graph, Triplestore) and products (e.g. Postgres, MySQL, BigQuery, MongoDB, Firebase, Druid)
 - Data processing, ETL, modelling, analytics, discovery and visualization tools (e.g. Microsoft Power BI, Shiny R, Tableau, Pentaho, Superset, Amazon Redshift/Quicksight/Glue, Talend, Kettle, GCP/AWS Data Pipelines, Rapid Miner, Knime, EBX5 etc.)
 - Data and metadata formats, protocols and standards (e.g. XML, JSON, Statistical Data and Metadata eXchange (SDMX), Data Documentation Initiative (DDI), Geographic information Metadata (ISO 19115), Open GIS Consortium (OGC), Functional Requirements for Bibliographic Records (FRBR), Metadata Object Description Schema (MODS), Dublin Core, Global Open Data for Agriculture and Nutrition (GODAN), International Aid Transparency Initiative (IATI), XMP, ITPC and EXIF)
- Ability to communicate effectively.
- Experience working in software development teams.
- University degree in computer science or closely related discipline.
- Ability to analyse complex matters, solve problems quickly and tactfully, exercise sound judgement and decision making
- Working knowledge of English

FAO Core Competencies

- Results Focus
- Teamwork
- Communication
- Building Effective Relationships
- Knowledge Sharing and Continuous Improvement

Technical/Functional Skills

- In-depth knowledge and experience of Data Warehouse environments based on Oracle Warehouse Builder Technology
- In-depth knowledge and experience of Oracle Business Intelligence Suite (OBIEE).
- Familiarity with data warehousing and business intelligence programming techniques
- Knowledge of software development best practices including version and release management, continuous test, integration and delivery.

Please note that all candidates should adhere to *FAO Values of Commitment to FAO, Respect for All and Integrity and Transparency*.

ADDITIONAL INFORMATION

- All applications will be reviewed and qualified applicants will be contacted for interviews. If selected, candidates will be notified of their inclusion on the Software Developer Roster.
- FAO seeks gender, geographical and linguistic diversity in its staff and international consultants in order to best serve FAO Members in all regions.
- FAO does not charge a fee at any stage of the recruitment process (application, interview meeting, processing).
- Incomplete applications will not be considered. If you need help, or have queries, please contact: iRecruitment@fao.org
- Applications received after the closing date will not be accepted.
- For other issues, visit the FAO employment website: <http://www.fao.org/employment/home/en/>

HOW TO APPLY

To apply, visit the iRecruitment website at <http://www.fao.org/employment/irecruitment-access/en/> and complete your online profile. Only applications received through iRecruitment will be considered.

Candidates are requested to attach a letter of motivation to the online profile.

Vacancies will be removed from iRecruitment at 23:59 Central European Time (CET) on the deadline for applications date. We encourage applicants to submit the application well before the deadline date.

If you need help, or have queries, please contact: iRecruitment@fao.org