



**Food and Agriculture Organization
of the United Nations**

CALL FOR EXPRESSIONS OF INTEREST

Developer: Backend programmer

Vacancy No. IRC3939

Deadline for Applications: 17 March 2016

Duty station: Rome, ITALY

Expressions of Interest for the Evaluation

The FAO Information Technology Division (CIO) is seeking Expressions of Interest (EOIs) from qualified backend developers.

Suitable candidates will have designed and built robust, reliable and scalable backend services and APIs.

Tasks and responsibilities:

Under the overall direction of the Senior Software Development Officer, and the day to day management of the software development technical team leader, 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.
- Design and develop highly reliable, resilient, scalable and performant backend services in close collaboration with frontend and DevOps developers and Information and Systems Architects.
- Orchestrate, compose, configure and integrate services (including cloud based) and events to implement full business processes.
- Design, document and publish service interfaces API.
- Design and execute functional, performance and security testing and verification.
- Program, test, debug and maintain services; also address systems performance issues and crashes as per operations requests when necessary.
- Implement service logging, monitoring and audit.
- Participate in defining, implementing and mainstreaming services model, best practices, frameworks and services.
- Ensure service consistency, coherency and compliance with appropriate organizational standards in close collaboration with quality assurance (QA) and information and system architecture.
- Other related duties as necessary.

Key performance indicators

Expected Outputs:

- Back-end service
- Back-end services test and quality assurance reports.
- Back-end services usage analytics and analysis.
- System documentation.
- Defined, adopted and continuously improved service oriented architecture model and body of best practices

Required Completion Date:

Candidates should meet the following requirements:

Minimum Requirements

- At least 2 years of experience developing back-end services for software products.
- Demonstrable ability to design and implement services.
- Ability to communicate effectively.
- Experience working in software development teams.
- University degree in computer science or closely related discipline.
- Working knowledge of English

Competencies

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

Technical/Functional Skills

- Service programming techniques, languages, frameworks and cloud services specifically including micro-services, wso2, Java, Python and JavaScript.

Selection criteria

- Length of experience in developing back-end services
- Quality of service developed.
- Depth of knowledge and skill in service programming techniques, languages and frameworks specifically including Service-oriented architecture (SOA), Message and Event Queues, Message Streaming
- Familiarity with cloud based services.
- Familiarity with defensive and secure programming techniques.
- Knowledge of internet and web protocols and standards.
- Knowledge of data exchange and processing standards including SDMX and OGC.
- Knowledge of software development best practices including version and release management, continuous test, integration and delivery.
- Ability to clearly communicate.
- Ability work in an agile software development team.

Additional Information

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

All candidates should adhere to FAO values of Commitment to FAO, Respect for All and Integrity and Transparency.

How to apply

All applications are to be made through FAO's [iRecruitment](#) system. Click on the link below to access [iRecruitment](#), complete your online profile and apply for this Call for Expression of Interest.

<http://www.fao.org/employment/irecruitment-access/en/>

In order for your application to be properly evaluated, please ensure that all sections of your iRecruitment account are completed. Incomplete applications will not be evaluated.

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