



JOB DESCRIPTION of World Friends Korea(WFK)

※ Please complete the form and mark on the box.

General Information	
■ Expert Title	<input type="checkbox"/> ① KOICA advisor <input checked="" type="checkbox"/> ② NIPA advisor <input type="checkbox"/> ③ Techno Peace Corps
■ Area of expertise	Software Development and Engineering
■ Job Title	Full Stack Software Developer
■ Location, Country	Information Technology Center, National University of Laos, Vientiane Capital, Laos
■ Number of Expert	1
■ Duration	12 months
Detailed information of the requesting organization	
■ Organization Name : <i>Information Technology Center, National University of Laos, Ministry of Education and Sports</i> - Requesting Department : <i>Software Division, Information Technology Center</i> - Office Name : <i>Information Technology Center</i>	
■ Type of Organization <input type="checkbox"/> Government <input type="checkbox"/> Public organization <input type="checkbox"/> Public corporation <input checked="" type="checkbox"/> University <input type="checkbox"/> Research institution <input type="checkbox"/> Others :	
■ Working Day/Hours : 8:00 AM to 16:30 PM (Monday - Friday) (1 hour and a half for a lunch break)	
■ Contact Person : <i>Mr. Sotsay Sengvong</i>	
■ Tel/Fax/E-mail : +856 2022241664, sotsay@nuol.edu.la	
■ Duty Station : <i>Software Division, Information Technology Center</i>	
■ Major activities of the Organization : <i>(Please list at least three)</i> <ul style="list-style-type: none"> - facilitate the teaching and learning process - providing IT infrastructure, networks, internet connections, softwares for lecturers and learners - Providing capacity building to lecturers 	
■ Major activities of the department where WFK will be dispatched <ul style="list-style-type: none"> - Software engineer - Requirements gathering and extraction - Software design and development 	
■ Experience of working with WFK	



Yes No

■ **If yes, please describe the tasks of WFK**

- Last four years, one Korean advisor worked with our information technology center in the area of elearning policy and recommendations for implementing e-learning for the National University of Laos. However, this task was policy based where the advisor only collaborated with the decision makers.

Description of Tasks

■ **The tasks to be undertaken by the WFK will be:**

(Describe the overall objectives of the task, why this task is needed and what the expert will doing)

- **Summary :** WFK will work on both the back-end and front-end of systems. This means that he/she can develop fully functional software applications (with databases, servers and clients) based on the design documents of our IT center and its annual plan.

■ **Responsibilities of WFK** *(Please mark all that apply and type in detail)*

Policy making and Strategic planning *(Only for the Advisor)*

-

Technical support

- Work with our development teams and product managers to provide software solutions
- Design and review client-side and server-side architecture
- Build the front-end of applications through appealing visual design
- Develop and manage well-functioning databases and applications
- Write effective APIs
- Test software to ensure responsiveness and efficiency
- Troubleshoot, debug and upgrade software
- Create security and data protection settings
- Build features and applications with a mobile responsive design
- Write technical documentation

Research

-

-

Lecturing

-

Training of local staff

- Develop capacity building courses/workshops related to software development tools to our local development team

Other

Expected Results/Output

■ **Expected results/output of the tasks by the WFK – Advisor/TPC include:**

- Fully functional software applications based on IT Center 2023/2024 annual plan.
- Software Development Tool courses/workshops for local staff



Required(Preferred) qualifications of WFK

(List the minimum essential qualifications required for the experts to successfully carry out this task)

■ **Gender**

- Male Female No preference

■ **Educational Background**

- Bachelor's Degree Master's Degree Doctor's Degree

- *Bachelors Degree in Information and Technology*
- *Bachelors Degree in Computer Science*

* **Similar or other educational background will be fine if the selected expert has an ability to do the requested tasks**

- Yes No

■ **Required Work Experience***(Specify work experience required for the experts)*

- At least 5 years work experience on full stack software development
- Proven experience as a Full Stack Developer or similar role
- Experience developing desktop and mobile applications
- Knowledge of multiple front-end languages and libraries (e.g. HTML/ CSS, JavaScript, XML, jQuery)
- Knowledge of multiple back-end languages (e.g. Php, Java, Python) and JavaScript frameworks (e.g. Angular, React, Node.js)
- Familiarity with databases (e.g. MySQL, MongoDB), web servers (e.g. Apache) and UI/UX design
- Excellent communication and teamwork skills
- Great attention to detail
- Organizational skills and an analytical mind

* **Similar or related work experience will be fine if the selected expert has an ability to do the requested tasks**

- Yes No

■ **Language : English** (Intermediate or above level of proficiency in oral and written English)

(Official business language will be English. If your organization requires the use of other languages, please provide reasons)

- **Reasons :**

■ **Other Requirements***(Identify desired skills or qualifications for the task)*

- *knowledge of cloud virtualisation/platforms*
- *Data center management (Proxmox)*

Description of the Workplace

■ **Location of the workplace**

- 10 km from the capital city
- 40 minutes by bus(transportation)

■ **Information on the co-worker who will work closely with the WFK-Advisor**

- Full Name (Mr./Ms.) : **Mr. Sotsay Sengvong**
- Position/Work area : **A Deputy Head of Software Division**
- Tel/E-mail : **sotsay@nuol.edu.la**

