JOB DESCRIPTION

Job title:	Senior Application Developer	Location:	Phnom Penh
Department:	Technical	Reporting to:	Data Manager

Job purpose

The role of the Senior Application Developer is to support the on-going design, development and integration of the Malaria Information System (MIS) in malaria surveillance, monitoring and evaluation systems. In particular, this role will provide support to develop the core malaria database modules and web platform, in addition to any mobile-based applications as specified.

Scope of work

The position will cover technical design of the Malaria Information System, including both back-end and front-end development. Technical monitoring and support will be provided internally in-country through CNM. Any programmatic concerns will primarily be managed through the Data Manager and the Chief of the Technical Bureau.

Key working relationships

The Senior Application Developer will work as a member of the CNM surveillance team, coordination regularly with the Data Manager and the Chief of the Technical Bureau, as well as members from any other CNM program / technical teams as needed. Other external communications will include partnerships and working relationships with individuals from other technical or surveillance partners.

Key accountabilities (percent of time spent on each area)

- To lead on the programming of new modules of the Malaria Information System and design of reporting / analysis tools
- To provide technical frameworks for data integration / flow between CNM database(s) and other partner data)
- To support field-level implementation and operationalization of surveillance modules at different levels of the health system
- To provide technical support and capacity building to the Data Unit of the national malaria program (CNM)
- Support other relevant technical or development activities as identified by Data Manager and Chief of the Technical Bureau
- Ensure that all activities undertaken aim to support and develop the skills of staff within CNM
- Ensure the regular maintenance and operational functionality of the MIS

Qualifications and experience:

Essential:

- Bachelor's / Master's degree in programming, computer science or similar
- Experience in programming at least 5 Years
- Strong understanding in relational database design in using Ms SQL Server, Ms Access and MySQL
- Expert knowledge of server side language: PHP, C# and ASP.net
- Very good knowledge of software architecture like MVC (model-view-controller)
- Very good knowledge at client side technologies like JavaScript, CSS, HTML
- Experience in developing web applications for large-scale production use
- Experience in developing mobile application on Android OS
- Solid experience in application design, testing, deployment. Work experience of developing programs for mobile technology
- Fluency in Khmer and English required

Desirable:

- Experience in Google Map API
- Experience of designing new technological solutions and integrating with existing systems
- Experience of working in a capacity development / training role
- Experience or interest in malaria or public health / using technology to improve social conditions
- Maintain required levels of confidentiality

Work-based skills:

- Enthusiasm to work in a government department
- Able to work as part of a team as well as independently
- Commitment to working with CNM