



RECRUITMENT ANNOUNCEMENT

Web Application Developer (International/National)

ICEM – International Centre for Environmental Management is an award-winning independent technical service centre that assists governments, the private sector and communities in defining and implementing policies for sustainable development. Established in Australia in 1999, ICEM has its regional headquarters in Hanoi and is staffed by full-time international and national technical and administrative personnel.

ICEM works in Asia and the Pacific - especially in the Mekong countries and focuses on climate change, water resources management, disaster risk reduction, renewable energy, environmental assessment, environmental economics, nature-based solutions (NBS) and biodiversity conservation. ICEM seeks to integrate environmental concerns with development through spatial planning, modelling, socio-economic analysis and environmental assessment tools.

ICEM is now seeking to employ a **Web Application Developer** based in Hanoi, Vietnam (or working remotely in the same or nearby time zone). The position will have the following responsibilities:

- **Overall role:** Support the design, development and management of open-source geospatial web-based applications that focus on real-world environmental and sustainable development-related projects. A core ICEM service is developing spatial and knowledge-based decision support systems for government, non-governmental organisations, and local communities.
- **Application development:** Provision of input to designing and developing user-friendly, interactive, responsive and scalable web-based applications using the R programming language and its Shiny web application framework. In addition to experience in R, application development will require a working knowledge of HTML, CSS, Javascript, and the visualisation of spatial data—drafting of technical manuals in English to international standards.
- **Application management:** Support the deployment and management of developed web-based applications, including Docker virtualisation and other IT administration tasks as requested.

Minimum requirements:

- A minimum of a BSc in computer science, software engineering, or an information technology-based discipline or demonstrated experience in web application development.
- 3+ years of experience in R programming, including in the use of R-Shiny to develop web-based applications
- 5+ years of experience designing and developing websites, including styling HTML with CSS.
- 3+ years of experience in using spatial data (GIS) and web GIS
- A good knowledge of open-source software systems and expertise in using Linux.
- 3+ years in drafting technical manuals and software documentation.
- A willingness to learn and develop new skills as required.

Preferred qualifications:

- 3+ years of experience in installing and maintaining server software systems and/or server administration
- Experience in using Docker virtualisation
- A background or knowledge in environmental science, hydrology or environmental engineering would be highly regarded.

Applicants should be fluent in English with proven technical writing and presentation skills.

To apply, send a cover memo and updated CV with contact details of two references to ICEM at Ms Luong Quynh Mai (mai.luongquynh@icem.com.au and admin@icem.com.au). For more information about ICEM, visit www.icem.com.au

Applications close on **30 March 2023**. Only short-listed candidates will be contacted.