

Job Opening: Software Engineer

The International Training and Education Center for Health ([I-TECH](#)) is a collaboration between the University of Washington and the University of California, San Francisco. It is a center in the University of Washington's Department of Global Health and has offices throughout Africa, Asia, and the Caribbean. I-TECH's 700 worldwide staff work in partnership with local ministries of health, universities, non-governmental organizations (NGOs), medical facilities, and other organizations to support the development of a skilled health work force and well-organized national health delivery systems. I-TECH's activities occur primarily in the technical areas of health system strengthening; health workforce development; operations research and evaluation; and prevention, care, and treatment of infectious diseases. I-TECH employees enjoy great [benefits](#) and a collaborative work environment.

This position is responsible for leadership in the overall design, development, decision making and implementation of standardized information system architectures for clinical and public health information systems in resource-limited settings. This position will primarily work on the Training System Monitoring and Reporting Tool (TrainSMART) team. TrainSMART is an open-source software product used in more than 40 low-resource countries to track capacity and deployment of health workers. The system is used both by I-TECH and by external clients, including Ministries of Health, Universities, and large and small non-governmental organizations. TrainSMART implementations cover a spectrum from small institution-specific implementations to large regional- or national-level implementations. Along with assuring the design, customization, and maintenance of TrainSMART for existing and new customers, this position will work on other informatics projects within I-TECH. These other projects include the development of electronic medical records (EMR), laboratory information systems (LIS), and project management data systems.

Requirements:

Bachelor's degree in Computer Science, Engineering, or related field or equivalent work experience.

Six to eight years experience working with web/internet standards, hardware and software technologies (including Java, PHP, or related object oriented technologies), web programming tools (Drupal, Dojo) and relational database technologies (MYSQL, Postgres, MSSQL or equivalent). This should include at least two years experience developing in the LAMP environment and one year experience in server management which should include: virtual server management, backup and restore functions, and standard server maintenance.

Experience in writing curricula, manuals, design or architectural specification, white papers or research articles.

In addition, this position requires:

- Strong communication abilities, including communication with both technical and non-technical audiences
- Demonstrated ability to resolve technical problems in an independent manner

- Ability to work in a team situation with both local and remote members
- Flexibility in schedule to accommodate collaboration with partners in international time zones
- Willingness for international travel to resource poor settings in lower and middle income countries
- Proven ability to quickly learn and apply new technologies
- Excellent written and verbal communication skills in English. Must be able to communicate technical issues to, and provide system level support for, a variety of collaborators and “customers” both internal and external to the University.

Desired:

Advanced degree in Computer Science, Engineering, or related field, or equivalent work experience.

Certification in programming languages, data base systems, software engineering, project management or other related certification or training

Conditions of Employment:

This is a full time position based at the I-TECH offices in Seattle. This position requires up to 20% travel to countries with inadequate public health and safety infrastructure. Up to several times per week, this position requires participation in conference calls or meetings during the early morning and late evening to accommodate the time zones of countries where I-TECH works.

Application Instructions:

Visit the I-TECH Employment site at www.go2itech.org/employment. This position is open until filled.