ArchivesSpace Technical Lead Summary Description

LYRASIS is seeking an energetic and collaborative Technical Lead for ArchivesSpace, an open-source, archives information management web application designed for managing descriptive information about archives, manuscripts, and digital objects. (http://www.archivesspace.org/)

The Technical Lead is responsible for oversight, management, and development of ArchivesSpace, a large international open source software platform. The Technical Lead works with a broad group of community stakeholders to develop, organize and manage the software development process, as well as contribute code to the project. The position is responsible for overall development of the software, management of a community-based code contribution process, and supporting service providers. The Technical Lead will also work with the community to engage a broader set of developers to participate in the project, providing technical guidance, support and leadership to create a robust developer community.

The ArchivesSpace application was first released in September 2013, and it is sustained by an active member community of over 300 organizations. Community collaboration and member contributions support and guide all facets of ArchivesSpace—development, code review, migration support, technical and user documentation—are key to the advancement of both the ArchivesSpace application and member community.

Duties/Job Responsibilities

- Oversee and manage configuration and development of ArchivesSpace open source software and related documentation. Maintain software to build, package, and deploy application to development, test, and production environments.
- Create and sustain an active developer community. Develop and manage community development process.
- Work collaboratively with the stakeholders and community to produce and manage a technical roadmap.
- Supervise all development work and code changes, including management of the community code contribution process and management of technical contractors.
- Provide and manage bug triage and bug fixes.
- Coordinate with the other staff to represent ArchivesSpace at relevant technology conferences. Prepare and make presentations, serve on panel discussions, do demonstrations, and answer questions regarding ArchivesSpace software and the community development process.

Skills and abilities

- Ability to troubleshoot application, database, network, and operating system related issues; ability to analyze stack trace, heap dump; profiler knowledge a plus.
- Proven ability to deploy and manage agile software development process.
- Understanding of incident, problem, change, and release management practices.
- Proven ability to interact and collaborate with developers, quality assurance, and business team.

- Excellent communication skills, including the ability to effectively explain complex concepts, products, and services to non-technical audiences.
- Ability and desire to stay abreast of new leading edge technology and technology trends in museums.
- Must possess self-directed initiative and excel in the areas of time management, organization, and prioritization.

Experience and training

- Knowledge and experience developing Ruby (especially JRuby) web applications and REST APIs using Rails and Sinatra, with MySQL and Apache Derby backends
- Experience with frontend development in HTML5, CSS and JavaScript, using JQuery and Twitter Bootstrap, with a strong understanding of Web standards, accessibility, and usability
- Experience managing test environments on a broad range of browsers and browser versions as part of the application release management process
- Knowledge of best practices in test-driven development, using RSpec, Selenium, static analysis and code coverage tools, and continuous integration (Hudson/Jenkins and Travis-CI)
- Experience with Apache Solr for search and indexing platforms
- Experience with deploying and packaging JRuby web applications on the Java virtual machine, using Jetty and Apache Tomcat servlet containers
- Knowledge and experience with using Git and GitHub for version control and release management
- Familiarity with agile development methodologies, especially Scrum
- Commitment to writing clear, well-documented, re-usable code
- Experience writing code for an open source software project

This position is part of a geographically and institutionally distributed team, and, as such, applications from candidates interested in telecommuting are welcome.

Please submit your resume and cover letter to human.resource@lyrasis.org.

Applications accepted until position is filled but review of applications will begin 10/15