

Application Deadline: Open Until Filled

Job Title: R Shiny Developer

Location: Portland, OR (HQ) or Remote

Position Type: Hourly Contractor

Position Duration: 9 to 12 Months

Hours: Up to 40 Hours / Week

Expected Start Date: Summer 2022

Who we are: The Freshwater Trust (TFT) is a non-profit leader in watershed analysis, restoration/conservation program design, and implementation. Our team members are building tools and creating and testing new solutions that will help to create resiliency in our rivers. With a mission of preserving and restoring freshwater ecosystems, our approach is driven by science, data, and results (see our [Core Values](#)).

With headquarters in Portland, Oregon, TFT employs 50+ team members across Oregon, Idaho, Washington and California. We currently have three physical offices in Portland, Ashland, OR and Sacramento, CA. Our team members range in background and skillset; teams include a philanthropy and fundraising team, communications team, science and analytics team, restoration team, legal team, finance team, and administrative and systems support.

Who you are: An experienced, self-directed contractor who is passionate about building web app and interactive UI applications that support decision making, especially for landscape and land management planning. Delivering well-designed apps that effectively balance user experience with project constraints and timelines is well within your comfort zone. Your ability to translate project stakeholder communications into a clear set of requirements will enable them to be used in guiding application development, communicating project progress relative to risks and deliverable constraints. Working as a part of a team, sharing expertise, and learning from and with colleagues. You enjoy collaborative work, are comfortable with asking for help, and have an appetite to learn.

Scope of Work:

- Develop production-quality, decision-support applications using R Shiny
- Update and enhance existing Shiny applications
- Streamline existing Shiny application workflows
- Collaborate with other technical staff to deliver apps that meet user and infrastructure requirements
- Communicate and mitigate project risks related to application development and maintenance
- Assist with scoping of application deliverables and/or maintenance

Minimum Skills and Qualifications:

- 3+ years' experience building custom data visualization apps using Shiny and R Studio
- 2+ years' experience documenting and communicating requirements with project stakeholders
- 1+ years' experience using Github for collaboration

- Experience using {sf} and {sp} to manipulate spatial data, and creating compelling interactive maps with large vector and raster datasets in R Shiny using {leaflet} and/or {mapbox}.
- Experience building complex interactive tables using {DT}, {reactable} or similar.
- Experience leveraging JavaScript in your shiny apps to extend shiny components and create custom user inputs and widgets.
- Experience deploying and maintaining apps using shinyapps.io
- Ability to integrate into analytics-focused project teams as an individual contributor

Desired Skills and Qualifications:

- 2+ years' experience as an individual contributor or team lead for decision support tool development
- Familiar with agile methods
- Proficiency with JavaScript data visualization libraries such as D3, Plotly, and Bokeh
- Experience working with PostgreSQL/PostGIS databases as the data source for your shiny apps
- Experience with package development and/or the use of {golem} as a modularized framework for large app development.
- Experience deploying and maintaining apps on Google Cloud Platform or similar.
- Experience using a formal UI/UX design process that includes user story development, wireframing, etc.
- Knowledge of CSS and HTML
- Familiarity with working with a variety of large environmental data types.

Application Instructions:

Please provide a cover letter and resume (including references) [here](#).

Please, no phone or email inquiries about this position.

Interested candidates from historically underrepresented communities are strongly encouraged to apply. The Freshwater Trust is an equal opportunity employer and does not discriminate in its selection of candidates for employment on the basis of race, color, national origin, religion, sex or sexual orientation, marital status, disability, age, military service, family medical history, legal source of income, gender identity, political affiliation, or family leave obligations. ADA accommodations will be provided upon request.