Job Title: Analytics Engineer/Data Engineer

Location: Portland, OR or Remote (Pacific time zone)

Position Type: Permanent/full-time

Expected Start Date: April 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, OR, TFT employs 45+ 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: The Analytics Engineer/Data Engineer must be a creative self-starter who is able to work in a dynamic, innovative, and fast-paced environment that will be frequently responsible for conducting independent research and analysis. The ideal candidate is someone excited by new challenges and who enjoys finding creative, useful solutions to address complex problems. The Analytics Engineer/Data Engineer should have an understanding of water resources, but more importantly, the candidate is someone excited at the prospect of solving complex problems with data, models, and a bit of elbow grease.

Position Responsibilities:

- Work closely with other members of the Science and Analytics Team to model and track environmental and water quality benefits from a wide range of stream restoration and conservation actions
- Design, socialize, implement, and maintain tools and systems to support technical solutions and frameworks designed to increase the effectiveness of conservation and restoration programs at increasing scale and velocity
- Assist with analyses and develop methods to automate workflows
- Effectively cross-train and mentor teammates on Analytics Engineer/Data Engineering best practices
- Identify opportunities, weaknesses, and approaches needed to scale

Skills and Qualifications:

- At least 3 years of workplace experience building and maintaining machine learning, business intelligence, or analytics pipelines and associated data management policies
- Fluent python (required), SQL (required) and/or R, Julia, Scala, Rust, etc.
- Fluent data storage knowledge (SQL, Postgres, NoSQL) including "Big Data" technologies (e.g., BigQuery, Redshift)
- Operating systems experience Unix/Linux; cloud-based server environments (GCP (preferred), AWS, or Azure)
- Experience with geospatial data storage and processing tools and data pipelines (especially with open source tools in Python and R, PostGIS, and Google Earth Engine)
- Experience building and managing REST APIs
- Experience with data lake, data warehouse, and database management
- Familiarity with data streaming and real time data acquisition

Seeking Perseverant, Creative and Energetic Candidates Who:

- Have a passion for the mission and values of The Freshwater Trust
- Exhibit professionalism, confidence, intellectual curiosity, and resilience
- Are simultaneously team-oriented and strong individual contributors
- Are fully vaccinated against COVID-19
- Hold legal authority to work permanently in the US

Compensation:

- Competitive salary based on experience
- The Freshwater Trust believes in investing in our employees, their health, and future through our benefits offerings. Our total rewards package includes full health and dental coverage, automatic retirement employer contributions, commuter benefits and cell phone reimbursement. Because we are all in, we value getting out, and support our staff with 5 weeks of paid time off plus over 10 paid holidays per year. We also offer perks such as staff retreats, sabbatical for full time staff after seven years, and professional development opportunities.

Application Instructions:

Please provide a cover letter and resume (including references) at:
https://app.smartsheet.com/b/form/256bdeacfb6f4ddbb39e45bde0e3740d