

Web Application Test Pilot

The [Conservation Biology Institute](#) (CBI) is a non-profit organization of scientists, technicians, and software engineers - providing scientific and technical expertise to support the conservation and recovery of biological diversity. [Data Basin](#) is one of CBI's core initiatives. It is an open-access web mapping and science support platform, launched in 2010, and now used by a diverse audience of several thousand individuals and organizations. The Data Basin development team is a small, agile, team-oriented group of software developers, each of whom lead in their own way. We are passionate about making awesome, high-quality software to improve the conservation of natural resources and biological diversity.

Data Basin is a complex, multi-tier web application with many interacting components that relies heavily on the following:

- Python & Django
- Javascript, HTML, CSS
- MySQL & PostgreSQL
- Cloud-based infrastructure (Amazon Web Services)
- GIS server technology

We are seeking a Web Application Test Pilot to help us take Data Basin, and other CBI conservation software projects, to the next level. We are looking for a talented, self-motivated, quick-thinking individual who likes to break things, and work collaboratively with others to figure out how to put them back together so they don't break again. You must have a passion for testing software from simple calculations to an entire web application, be able to see the bigger picture, be a leader without being ego-driven, and be an effective communicator. Proving that something works properly, efficiently, and harmoniously must have special meaning to you. You must be comfortable jumping into a complex application with many moving parts.

This position will be located in CBI's Corvallis Office; we are not looking for remote team members.

Primary Responsibilities:

- lead development of testing framework and best practices within team
- be involved in the development process from requirements to delivery and beyond
- guide developers in development of unit tests
- lead functional, integration, infrastructure, and performance testing
- work with project stakeholders and application users to develop use-case oriented tests

Required skills:

- solid experience using testing approaches, tools, and frameworks, including code coverage, functional automation, continuous integration, and benchmarking
- software development experience on small to large projects, including multi-tier web applications
- able to learn new programming languages, frameworks, and toolkits quickly

- able to comprehend someone else's source code, understand intent, find weaknesses, and communicate clearly what needs to be fixed
- able to break a large problem into smaller problems and develop an effective plan of attack
- able to function harmoniously within a team
- be comfortable working with project stakeholders and application users

Other things to know about us:

- actively expanding development of software applications beyond Data Basin to support other CBI projects
- actively moving toward releasing components as open source

Salary and Benefits:

Salary is dependent upon experience.

Benefits include:

- medical, dental, vision, life, and disability insurance
- paid vacation, holiday, and sick days
- employer matched Simple IRA retirement plan
- opportunity to work with many awesome, passionate, and talented people

Application Process:

Want to join the team? Send a cover letter explaining how you are the test pilot we are looking for; your resume; contact and relationship information for 3 professional references to:

Ms. Pamela Frost, Vice President & Director of Operations

pfrost@consbio.org

CBI is an equal opportunity provider and employer and it is our policy to maintain a work environment free of discrimination and harassment against any person on the basis of age, gender, race, national origin, ethnicity, religion, sexual orientation, political beliefs, physical ability, and veteran, marital or family status.