Environmental Science Web Developer  
Junior Level  
Vancouver, BC or Ottawa, ON  
1-year contract

ESSA Technologies Ltd. (ESSA) is an employee-owned Canadian environmental consulting company with offices in British Columbia and Ontario. We envision a world where creativity, a focus on learning, and systems thinking are the foundation of innovative solutions to environmental challenges. Our corporate mission is to “bring together people, science and analytical tools to sustain healthy ecosystems and human communities”. We achieve this mission by helping clients deal with tough, emerging problems, applying a neutral, thorough evaluation of evidence, encouraging diverse participatory processes, and collaboratively guiding our clients to make informed decisions that are designed to learn over time. Learn more about us at www.essa.com.

At ESSA, we are passionate about what we do and enjoy working with professionals who share our values and mission. ESSA’s staff are purpose-driven problem solvers, big-picture critical thinkers, evidence driven and motivated by an aspiration to become trusted advisors to our clients and make a difference in the world.

The Opportunity

We are seeking a motivated, service-oriented, resourceful, independent, and highly skilled Environmental Science Web Developer that has the passion and skill needed to develop decision support software to support applied environmental issues. The successful person would support our domestic and international teams based on a 12-month contract with an opportunity for permanent placement and room for advancement. The successful candidate will work closely with senior developers and project managers to support a variety of challenging projects across numerous domains and geographies, with a focus on adaptive management, fisheries and aquatic science, climate change adaptation and cumulative environmental assessment projects. Our unique projects address a wide range of cross-cutting environmental issues with a strong focus on integration and trade-off balancing.

Most important and above all, you are motivated by and have a background in science and the environment, not just tools and code. If you do not have a prior background in natural science or engineering this role will not be suitable for you. Your prior training will afford you a strong ability to understand the topics central to ESSA’s business while contributing to decision support software projects.

The successful candidate will support ESSA by focusing on:

- Contributing to ESSA’s web software development team in designing, implementing, and coding decision-support tools, and
- A focus on developing web applications with front-end and back-end support.

Education / Experience

Requirements:

- A Bachelor of Science in natural science, environmental science, environmental engineering, or related field. 
  Applicants with a purely computer or data science background will not be considered.
- Recent prior web/software development experience in structured development methodologies, demonstrated through either a diploma from a technical program, or a bootcamp course certification and/or a detailed portfolio of previously completed data-driven web projects.

Differentiators:

- Full-stack web application development experience (multi-platform development tools and toolkits).
• Recent prior environmental or engineering consulting experience in a similar role.
• Experience with geospatial data processing.
• A Master’s degree in the environmental sciences.

Skills / Abilities

• Experience with more than one development workflow, for instance, some familiarity with at least two of: .NET (Core, MVC, etc.), Python (Django, Flask, etc.), PHP, JavaScript (Angular, React, Vue, etc.), Node.js, HTML5/CSS, SQL (SQL Server, PostgreSQL, MySQL).
• Strong desire to further extend your developer skillset, such as by attending local developer meetups and bootcamps.
• Strong time-management, organizational skills, and ability to work on multiple projects at once in a dynamic environment which sometimes requires intensive short-term effort.
• Proactive and results oriented, with strong problem-solving skills.
• Strong English writing and communication skills including familiarity with scientific / technical report writing and plain-language styles.
• Ability to work with little instruction/supervision and to work effectively and collaboratively in interdisciplinary and remote teams.
• Personable, with a flexible, calm demeanor, comfortable in group settings.

Applying

We look forward to welcoming the successful candidate to our team. We offer a welcoming, inclusive workplace and commit to working with staff to help them thrive and prosper. Our total rewards program for contract employees provides competitive compensation, medical benefits, and vacation, plus support for professional development.

Please email a cover letter and résumé to careers@essa.com by September 6th, 2021 with “Environmental Science Web Developer” in the subject line. We will review applications and contact selected candidates by September 10th, 2021. Interviews will be conducted September 20th – 22nd, 2021. The expected start is October 18th, 2021.

All applicants must be eligible to legally work in British Columbia and/or Ontario at the time of applying through the full duration of the contract.