



Opportunity: Front End Developer for GROW

GROW is a Citizen Observatory project funded through EC Horizon 2020. The project aims to create a sustainable citizen platform to generate, share and utilise information on land, soil and growing. The vision is to underpin smart and sustainable custodianship of land and soil, and to answer a long-standing challenge for space science - namely the validation of soil moisture detection from satellites.

Through GROW, growers of all scales can contribute data, shape their own campaigns, and take part in citizen science experiments. It is designed to engage individual growers and small-scale farmers across Europe, and to enable them to develop new wisdom and innovative practices through the collective power of shared and open data and knowledge.

The Brief

We are recruiting a freelance Full Stack Developer to work with FutureEverything's design team, and other project partners, on developing the GROW "Collaboration Hub" - the online user facing front end of the GROW platform.

This work will first involve reviewing functional specifications for the "Collaboration Hub", developed from requirements provided through user research and the project consortium. Following this will be system build, including integration with backend databases and UI design.

This build needs to bear in mind immediate needs for the project, as well as looking to the future to support the long term build, development and maintenance of the platform as the project develops.

A full onboarding process and introduction to the project will be provided.

Key Deliverable

The key deliverable for this part of the project is the Front end design, development and Backend integration of a "Collaboration Hub". The Collaboration Hub is an integral part of the GROW project, providing a holistic community engagement service for GROW participants and users.

- Functional and robust Frontend development of digital platform — "Collaboration Hub"
- Design and development of user interfaces and integration with backend services to align with a pre-defined participant pathway

- The platform must be designed, developed and implemented so that is scalable and modular to accommodate future development and upgrades

Possible online platforms / sites for illustration of scope, feel and look of the GROW Collaboration Hub:

- <https://davehakkens.nl/projects/>
- <http://www.practicalservicedesign.com>

(Please note that these links are provided for illustration only)

Skills and Qualifications

- Ownership of front end-based development and integration with back-end
- Follow and apply visual guidelines thoroughly in all front-end development
- Able to understand and take ownership of the project front-end for multi-device experience
- Use the standards consistently to support front-end implementation of multi-device website/platform
- Being able to express critical inputs for the outcomes of user research and UX
- Proficient capacity to work with Wordpress (or similar) application and integration
- Proficient understanding of web markup, including HTML5, CSS3
- Basic understanding of server-side CSS pre-processing platforms, such as LESS and SASS
- Ideally have knowledge of back-end technologies (PHP, MySQL), experience with Python / Django is appreciated.
- Knowledgeable about web hosting/Server/ftp
- Proficient understanding of client-side scripting and JavaScript frameworks,
- Libraries and frameworks: jQuery, AngularJS, KnockoutJS
- Good understanding of asynchronous request handling, partial page updates, and AJAX
- Able to develop a standard website/content management system
- Proficient understanding of cross-browser compatibility issues and ways to work around them.
- Proficient understanding of code versioning tools, such as Git/Mercurial/SVN
- Good understanding of SEO principles and ensuring that application will adhere to them.
- *Other frameworks, libraries and development stack related to be defined*

Desirable

- Knowledge of image authoring and interface design tools (to be able to crop, resize, or perform small adjustments on an image. Familiarity with tools such as Gimp, Photoshop, Sketch, Affinity, Adobe XD is a plus)
- Understanding of User Centred and Human Centred Design practice
- User research skills
- Open prototyping, agile and lean methodologies
- Collaborative working within a large consortium project, with the ability to manage different stakeholder needs and deliverables

Fee

The fee available for this work is £15,000 (excluding VAT). This fee is to include all reasonable UK expenses inclusive of (but not exclusively) local travel, phone bills, printing etc.

Payment will be made at regular intervals throughout the contract, which is expected to run from 27 February until the end of May 2017, with some contingency into June.

Location

Not specified, Manchester preferred

For project efficiency and team integration, plus efficient use of FutureEverything resources we would expect any developer to work from our offices on a significant number of days throughout the life of the project.

To Apply

Please send a recent CV, cover letter and digital portfolio highlighting relevant work to opportunities@futureeverything.org.

We may interview selected candidates or make an appointment following assessment of written information.

Please submit your application to opportunities@futureeverything.org. If you have any questions, please email them to vimla@futureeverything.org or call 0161 232 4600.