



Chwyldro Cylchol  
Circular Revolution



## Job Description

**Role:** API & Integration developer

**Reports to:**

**Date:** December 2021

**Summary:** This is a fixed term contract from now until July 2023 as part of the Circular Revolution project, funded by WEFO.

Working within a small team to develop an API interface to a Hyperledger Fabric application and integrating with existing business systems or scoping and developing proof of concepts for new systems. The team will work with the Computational Foundry of Swansea University as part of a development of Blockchain based tools for Circular Economy businesses.

Based in Llandrindod Wells with some remote working.

**Role description:** To design, document, develop, test, release, support and debug code as required; and to take a leading role in maintaining and evolving the full software stack. This includes:

- Collaborating with engineering and business management within Riversimple.
- Working with the Computational Foundry of Swansea University to implement an API to the Hyperledger Fabric Blockchain application that they are developing under the Circular Revolution project.
- Proposing and documenting technical solutions, with estimates of time to delivery.
- Writing and deploying software using, potentially, JavaScript, Python, Go, C++, Docker, JSON, HTML, CSS and Hyperledger Fabric.
- Enforcing quality through thorough peer reviews, and highlighting risks early.
- Writing and helping others write unit tests and manual test scripts.
- Testing software and documenting results.
- Keeping accurate time records for tasks.
- Assisting in solving end users' issues, communicating directly with staff and end users as required.



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**Desired experience:**

- Development and use of APIs
- Proficiency in at least one of the used programming languages and a proven ability to quickly learn others
- Integration with enterprise class software

**Desired qualities:**

- A track record of delivering to a high specifications
- Excellent written and verbal communication
- Strong analytical skills and a creative approach to problem solving
- The ability to learn very fast and on the job
- Good interpersonal skills with the ability to manage expectations
- An inquisitive, can-do approach

**Benefits of role:**

In addition to a competitive package, the role offers:

- being challenged, working with a growing, innovative team genuinely making a difference by systematically eliminating the environmental impact of personal transport
- a commitment to your professional development
- experience of working with blockchain and other leading technologies.

**About Riversimple:**

Riversimple is a sustainable transport company developing hydrogen-powered fuel cell vehicles. Riversimple is a Circular Economy business.

Based in Llandrindod Wells, in mid-Wales, Riversimple has a track record of exceptional innovation and a dogged determination to get things right. It has won multiple awards including the SIMMs Medal for outstanding contributions to motoring innovation and is a member of the Ellen MacArthur Foundation CE100.

Riversimple has on-going collaborations with Siemens, the Office for Zero Emission Vehicles, Milford Haven: Energy Kingdom, Innovate UK and the Circular Revolution.

Riversimple is disability confident committed.



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**About Circular Revolution:**

Circular Revolution is the first business-led hub in the UK, focusing on circular thinking. Lead by Riversimple with the University of Exeter and Swansea University, Circular Revolution will help the transition of businesses in Wales to a Circular Economy.