

# Part-time senior software engineer (Ruby on Rails)

## Six month contract

Location	Remote
Time required	Flexible between 5-8 days a month depending on preference and availability. This will not be a factor in the selection process
Day rate offered	£550 per day

## What you'll do in this role

Open Ownership is looking to recruit a part-time senior software engineer experienced with Ruby on Rails on a six-month contract basis to develop and maintain the Global Open Ownership Register (GOOR), our transnational prototype beneficial ownership register.

The GOOR is a platform for collecting, aggregating, publishing and retrieving data about the beneficial ownership of companies and other entities. The website for the Register can be found at <https://register.openownership.org> and the source code is on Github at <https://github.com/openownership/register>.

The GOOR ingests and processes data from multiple national beneficial ownership registries in order to demonstrate the value of connecting beneficial ownership data across jurisdictions. The following services are used to power and support the running of the GOOR:

- Heroku - hosting and infrastructure
- Amazon Web Services (EC2 and S3) - used for one-off compute tasks (EC2) when running BODS exports, and object storage for those exports and static files
- MongoDB Atlas - hosting production database, alerting/monitoring it and providing backups
- Elasticsearch - hosting production search engine
- CircleCI - runs automated builds (continuous integration)
- Cloudflare - used to manage the DNS of the main site and as a CDN

- Sidekiq - running small asynchronous jobs, with custom workers

As well as being responsible for the upkeep and maintenance of the GOOR codebase, the successful candidate will also work with Open Ownership's data and technology manager to plan out and deliver potential iterative changes to the GOOR including:

- Improving the data ingestion processes and ETL pipeline for the GOOR
- Updating the visualisation functionality in the GOOR to use the Javascript library that Open Ownership has developed as part of our work on a Beneficial Ownership Visualisation System
- Look at the backlog of Github issues to get a better understanding of some example tasks <https://github.com/openownership/register/issues>

## Essential skills

- 5+ years professional experience working in a backend or full-stack capacity
- Expertise with Ruby and Ruby on Rails
- Expertise in creating web applications end-to-end
- Expertise in SQL and NoSQL database technologies
- Proficiency in data modelling and process large datasets
- Proficiency with Elasticsearch
- Proficiency in HTML, CSS and scripting languages such as Javascript.
- Proficiency with continuous delivery systems
- Experience with Agile iterative development frameworks

## Desirable skills

- Demonstrable experience with
  - OpenRedis
  - Heroku
  - MongoDB
  - Angular and React
  - Sidekiq
  - Docker
  - Amazon Web Services
- DevOps automation tools
- Semantic web and/or open data technologies
- Graph database technology
- Knowledge of open company data - for instance: Companies House datasets
- Experience working in a remote team
- Experience contributing to open source projects

## Responsibilities

- Develop high-quality software design and architecture
- Define technical user requirements and execute tasks in the software development life cycle
- Develop tools and applications by producing clean, efficient code
- Modify databases according to requests and perform tests
- Solve database usage issues and malfunctions
- Liaise with team to improve applications and establish best practices (test-driven development, continuous integration, SCRUM, refactoring and code standards)
- Ensure software is up-to-date with latest technologies

This post is open to candidates residing in a country +/- 3 hours GMT. Applicants must have the right to work in their country of residence.

## Application process

To apply for this role, please email [tech@openownership.org](mailto:tech@openownership.org) with a cover letter about why you're interested in this work and your relevant experience along with a copy of your CV which can either be a document no more than two pages in length or a link to your LinkedIn profile.

You can also contact us using this email address if you have any further questions about the role or our organisation.

Applications for this role will be reviewed on a rolling basis with interviews scheduled accordingly.

## More about Open Ownership

[Open Ownership](#) is a not-for-profit organisation focused on improving beneficial ownership transparency around the world by working with governments, conducting research and maintaining tools and standards for those working with beneficial ownership data.

A beneficial owner is a person that ultimately has the right to some share of a legal entity's income or assets, or the ability to control its activities. Beneficial ownership transparency reveals how companies and other legal entities or arrangements, such as trusts, are owned and controlled by their beneficial owners.

The tools that Open Ownership has developed for working with beneficial ownership data include:

1. The [Global Open Ownership Register](#), a transnational register of beneficial ownership data built in Ruby on Rails which ingests data from multiple national registries, offering search and visualisation functionality as well as [bulk open data downloads](#) exported in line with the [Beneficial Ownership Data Standard](#)
2. The [Beneficial Ownership Data Standard](#) provides a structured data format, along with guidance for collecting, sharing and using data on beneficial ownership. It is maintained and updated by Open Ownership and the Open Data Services Cooperative
3. The [Beneficial Ownership Visualisation System](#) for creating easy-to-understand beneficial ownership diagrams with an [associated Javascript library](#) utilising [d3](#), [dagre-d3](#) and [bezier-js](#) which powers a [visualisation tool](#) which creates automatic visualisations from data created in line with the [Beneficial Ownership Data Standard](#)
4. The [Beneficial Ownership Data Review Tool](#) for checking and reviewing the quality of data where the aim is for it to be compliant with the [Beneficial Ownership Data Standard](#)
5. The [Bluetail prototype open procurement tool](#) developed by Open Ownership in partnership with [mySociety](#) and [Spend Network](#) to demonstrate the opportunity to spot corruption or raise red flags using open data when it is produced in line with the [Beneficial Ownership Data Standard](#), [Open Contracting Data Standard](#) and [Popolo standard](#)

Please note that Open Ownership is a fiscally sponsored organisation and the contract will be executed in the name of our fiscal sponsor Global Impact, a non-profit, on behalf of Open Ownership.