

Full stack Application Assignment

We do not expect you to spend more than 4 hours on this. Feel free to spend more if you enjoy the exercise. It is perfectly fine to leave many rough edges or even parts untouched!

Web service

Create a tiny REST web service in Ruby, Node.js, Python or Go using a framework (e.g. Sinatra or similar) that is runnable with docker. The API should have two concepts: company and owner. The company should have attributes like company name, country, email (optional), and one or more owners; an owner should have attributes like name, and social security number.

The API *may* support:

- Create new company
- Get a list of all companies
- Get details about a company
- Update a company
- Add beneficial owner(s) of a company

Client

Create a tiny client using a well-known JavaScript framework e.g. React, Ember, Angular or alike.

README

Create a good README in Markdown or like. The README should explain how to

- setup and run the service using docker,
- query the API, and
- use the client.

Sending your work

- Create a private repository (or multiple) on GitHub (free service) and invite woeldiche, FrankHald and jsmperreira. Feel free to use GitHub throughout your development process.

Considerations

- You do not need to add *authentication* to your web service, but feel free to propose a protocol/method.
- How can you make the service redundant? What considerations should you make?
- How can you implement versioning of all the data?