Back-end Developer
Software Engineer

We are looking for a system architect to support a start-up and build database supported web applications.

Required skills:

- Proficiency in Java (Java server)
- Proficiency in Python
- Database design / development
- Database migration
- Server support
- Problem solver
- Team player
- Flexible working with ability to deliver work to pressing deadlines

Desirable:

- Data visualisation
- Web support
- Proficiency in R

Part-time contract, flexible remote working. Pay based on experience (to discuss individually with the candidate). The developer must have an EU, UK or US bank account to receive payments or be registered with PayPal.

If interested, please send your CV and a short covering letter about yourself to Leeza Osipenko LL@consilium-scientific.org

About Consilium

Consilium Scientific [consilium-scientific.org] is a non-profit organisation dedicated to the improvement of integrity and quality of clinical research. We operate virtually with Headquarters in London, UK and an international team across Europe and the USA.

About the Project

We work on sourcing and cleaning data on clinical trials from public registries. Initial input required from the developer would be full time for 1-2 weeks to learn the codes we already have in Java and implement them to source data for the project. Then we would require 10-15 hrs per week (ongoing) to develop more codes and improve our algorithms. Ideally, we are looking for a long-term engagement on a part-time basis.

For each clinical trial analysis project, we first need to prepare a dataset by downloading trials from different databases:

a) WHO https://trialsearch.who.int/
b) EU https://www.clinicaltrialsregister.eu/ctr-search/search
c) UK https://www.isrctn.com/

Search words will be provided. For each project the developer needs to send outputs in csv format from these 3 databases. Each trial contains a lot of data, but we only need about 30-40 items. The issue is that all databases are structured differently and have different titles of items, items are often not separated into separate columns, so data migration is not straightforward. Much work has been done by the previous team, but eventually more coding and cleaning will be needed to improve on our current algorithms.

We also have non-annotated coding developed for publication search in GoogleScholar and Pubmed associated with clinical trials (numbers will be provided). The developer should be able to work with the provided code to deliver the outputs and improve the code if needed in the future.

More details will be provided as the developer joins the team.