Computing Fellowship: Full-Stack Software Developer

GEO

GEO is a unique global network connecting government institutions, academic and research institutions, data providers, businesses, engineers, scientists and experts to create innovative solutions to global challenges at a time of exponential data growth, human development and climate change that transcend national and disciplinary boundaries...

Job Description

GEO is seeking a consultant to collaborate with the development of an open-source digital repository of open, authoritative and reproducible knowledge created by the Group on Earth Observations for an initial period of three months from mid August.

You will take on the following responsibilities:

- Contribute to the architecture design of the digital library.
- Design, develop, and test software, using Python together with its frameworks (e.g. Flask, SQLAlchemy, Celery), as the primary backend technology.
- Design and develop front-end based on tools such as HTML5, CSS, and JavaScript APIs (ES6+).
- Use relational database systems (e.g. PostgreSQL) and full-text search technologies (e.g. Elasticsearch).
- Involve and contribute to InvenioRDM open source project based on GEO requirements.
- Deploy the system on cloud services (e.g. AWS).

Qualifications

For this position, you will need to meet the following requirements:

- BSc or MSc level in computer science, engineering or another relevant course.
- Minimum 5 years experience in the relevant programming environment.

Essential skills and experience

- Python programming language, the Flask framework, the SQLAlchemy ORM, and Celery
- Front-end with Jinja, ReactJS, Less CSS
• Relational databases and SQL
• Docker protocol
• PostgreSQL DBMS
• Elasticsearch
• Invenio RDM framework and its ecosystem
• Amazon Web Services

Applications:

Please send your curriculum vitae by email to secretariat@geosec.org before Friday 13 August 2021