SOCIB is hiring a web engineer for his Data Centre facility to satisfy the needs for a specific project in data management applications.

The Data Centre is the core of SOCIB. Through it, SOCIB is developing and implementing a general data management system to guarantee international standards, quality assurance and interoperability. The combination of different sources and types of information (time series, profiles, trajectories, grids/meshes, images, acoustic data, etc.) requires appropriate methods to ingest, catalogue, display and distribute this information. The general goal of the SOCIB Data Centre is to provide users with a system to locate and download the data of interest (near real time and delayed mode) and to visualize and manage the information. Following SOCIB principles, data need to be: 1) discoverable and accessible; 2) freely available; 3) interoperable and standardized; 4) quality controlled. These principles are in line with the challenges and opportunities of Open Data. For more information, please, visit http://www.socib.es/?seccion=dataCenter.

A full-time job is offered where the candidate will be in touch with the most advanced systems in physical oceanography, scientific and technical experts, international research centers and industry leading companies.
Web and Applications Engineer Profile

Major duties

- Maintain the applications and web sites that are currently running at SOCIB
- Design, develop and provide new web solutions for the challenges proposed by the Data Centre and the other SOCIB facilities
- Capacity and interest to learn physical oceanography, meteorology and metocean data Management

Required knowledge & skills

- MS or BS in Computer Engineer or related discipline
- At least five years of demonstrable experience developing web products (apps, sites, services, etc.)
- Immediate availability
- Capacity to work on a team environment responding to the different facilities needs, demonstrating capacity to understand, process and execute requests from them
- Strongly motivated by getting involved with high tech based systems
- Deep analysis skills, understanding of web services (REST JSON, XML), data integration and management
- Focused in User eXperience
- Advanced full stack skills:
  - Python and Django
  - Javascript and CSS libraries: such as React, AngularJS, Bootstrap, ExtJS, LESS, Webpack
  - Unix systems and Bash scripting
  - Database management systems (PostgreSQL, MySQL) and data model design
  - Knowledge in web applications deployment, applications servers management and configuration (Tomcat, apache, nginx, gunicorn…)
- Fluency in English (speaking and writing)

Preferred knowledge & skills
• Other coding skills:
  o PHP
  o Java (J2SE/EE, GWT + GXT)
• Git
• Proficiency in object oriented programming
• Use of numerical libraries (numpy, scipy, pandas, xarray, netcdf4…)
• Services and geoJSON format
• Knowledge of geospatial technologies such as map based UI’s (OpenLayers, Leaflet, Google Maps API, GeoExt), GeoServer and GeoNetwork
• Knowledge of OGC standards (NetCDF, WMS, WCS, WFS)
• Some knowledge on mobile applications development (iOS, Android)
• Knowledge of operational oceanography
• Active part of the python community and up to date with the state of the art

Applications should be sent via email to dc_2018_ing_inf@socib.es, with the following mail subject: “Web and Applications Engineer Data Centre 2018”, attaching CV and a covering letter explaining why you think you are the adequate person for this post.

In case of having published code, please indicate the URL of the repository where it is located in your email, as well as the URL of profiles in social networks of programming like github, bitbucket, stackoverflow.