



Browser Based GIS Interface for PaleoWeb

Proposal for Colorado School of Mines Field Session, Summer 2015

Client

The Rothwell Group L.P
Arwen Vaughan

About Us

The Rothwell Group is a software engineering and process optimization company. Rothwell combines proven application building blocks and best-practice, process-automation methodologies to deliver solutions to both emerging and Fortune 500-size organizations seeking greater efficiency in the face of rapid growth. As a company we have a rich knowledge and history in:

- Geographical information systems (GIS).
- Six Sigma and lean methodologies.
- Project management.
- Database design.
- Document management.
- Business process management (BPM).

Project Description

Rothwell is the industry leader in tectonic plate reconstruction software used extensively by geologists in the oil and gas exploration industry. This project will involve developing a browser based geographic information system (GIS) interface to our PaleoWeb web services module which is our flagship plate tectonics modelling engine. The browser interface will use open source technologies and provide standard GIS functionality including a map viewing screen and a data layer table of contents.

We believe that the project would be ideal for a team size of **2-4 people**.

Desired Skills

- Communication Skills with knowledge of Agile and SCRUM practices
- Experience and knowledge of Web Development and related technologies (HTML, CSS, Javascript, Web Services, etc.)
- Familiarity with object oriented practices, including C# and/or ability to learn new languages and technologies
- Basic knowledge of databases

Working Environment

Rothwell would prefer to have the team to work on-site, but the choice of working on-site, off-site, or a mixture of both will be left up to the team. The Rothwell Group is conveniently located near The Colorado School of Mines at *200 Union Blvd #300, Lakewood, CO 80228.* The team will be sponsored by our Director of Technology and have the opportunity to interact with our technical leads and software developers.

Opportunities with Rothwell

As a growing software engineering firm, Rothwell is interested in hiring qualified CSM students and grads for both intern and full time positions, respectively.