The Cooperative Institute for Research in Environmental Sciences (CIRES) at the University of Colorado Boulder conducts collaborative research with NOAA’s National Centers for Environmental Information (NCEI) on the archive, access and dissemination of NOAA data. CIRES has an immediate opening for a well-qualified Software Engineer. The successful applicant will be a member of a small team responsible for a challenging variety of duties related to the development of a software-based solutions that meet science driven requirements. Ideal applicants will have enterprise software development experience using both front-end and server-side technologies. A history of working successfully in small innovative software teams and a flexible, upbeat approach to collaborating with colleagues is a must. Applicants must possess good analytical and problem-solving skills and demonstrate experience successfully implementing and testing software applications. Applicants should also exhibit a strong attention to detail and the ability to conceptualize user requirements into customer-friendly and efficient software applications. This CIRES position is co-located with NOAA staff of NCEI, David Skaggs Research Center, 325 Broadway, Boulder, Colorado. Some limited travel will be required.

**Primary Duties**

- Work in a small agile focused team, creating a NOAA mission critical public facing application based on metadata catalogs.
- Consult with lead developers as needed to implement well tested and operational code
- Work with operations staff and subject matter experts to test and validate application updates and to ensure full functionality for customers.
- Work with existing Agile Scrum team to incorporate best practices, standards and to identify design and code reuse.
- Update or create application support documentation as needed.
- Research and evaluate commercial and open-source software tools and approaches
- Provide engineering support to operations staff when building, deploying, configuring and supporting public facing systems

**Minimum Requirements**

- Minimum of a Bachelor’s degree in Computer Science or similar technical discipline
- Experience as a software engineer; demonstrated success developing a variety of software systems with responsibility for analysis, design, implementation and deployment tasks
- Experience developing data-driven applications incorporating relational database engines as part of the overall application architecture
- Experience and willingness to work in an Agile development environment

**Desired, but not Required Previous Experience**

- Experience with the Groovy programming language and/or the Grails framework
- Familiarity with Spring, Jakarta projects
- Experience with Oracle and or other relational databases
- Knowledge and or experience with Spatial data and databases
- Experience working in a team using agile development methods, version control, issue tracking and continuous integration
- Experience with AngularJS
Experience with developing and troubleshooting complex software systems that run in mixed-environments including Linux and Windows
- Understanding of software design patterns, object-oriented analysis and design
- Experience in Java and JavaScript, and Java web application servers, esp. Tomcat
- Knowledge of NOSQL storage systems

For further information about NCEI, please contact David Fischman (david.fischman@noaa.gov)
For further information about the CIRES hiring process, please contact David Neufeld (david.neufeld@noaa.gov)

The position will be filled as a Professional Research Assistant at the University of Colorado Boulder and will be eligible for employee benefits, including 22 days of vacation (for a 100% position) per year.

To Apply:
http://www.jobsatcu.com/postings/109010

Applicants must complete the Faculty/University Staff and EEO Data (application) form, and upload the required documents:

1- Resume
2- Proof of highest degree earned (copy of diploma or unofficial transcripts)
3- A cover letter
4- List of three professional references with all contact information from whom an official written letter of recommendation will be requested at the appropriate time during the search.

The University of Colorado is an Equal Opportunity Employer committed to building a diverse workforce. We encourage applications from women, racial and ethnic minorities, individuals with disabilities and veterans. Alternative formats of this ad can be provided upon request for individuals with disabilities by contacting the ADA coordinator at hr-ada@colorado.edu. The University of Colorado Boulder conducts background checks for all final applicants being considered for employment.

NCEI-9