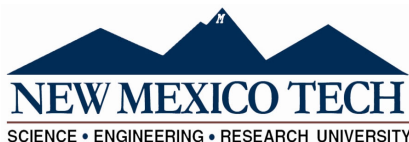


Posted: August 22, 2023



POSITION ANNOUNCEMENT

TITLE: WATER DATA SCIENTIST/ DEVELOPER-FRONT END

DEPT: BUREAU OF GEOLOGY

REG

TEMP

FULL TIME

PART TIME

**** Regular Limited Term**

STARTING RATE or SALARY RANGE \$54,000-\$60,000

Employees being promoted to a higher classified position receive the minimum for the position or a pay rate adjustment of 8% whichever is greater.

All regular positions also entitle the employee to several benefits including health, dental, vision, life insurance, and retirement which is largely paid by New Mexico Tech for the employee and dependents.

INTERNAL POSTING THROUGH: August 30, 2023*

CONSIDERATION WILL BE GIVEN FIRST TO TEMPORARY AND REGULAR TECH EMPLOYEES WHO APPLY WITHIN THE 7 DAY INTERNAL POSTING. APPLICATIONS RECEIVED AFTER THE 7 DAY POSTING MARGIN WILL BE CONSIDERED WITH OTHER OUTSIDE APPLICANTS.

JOB SUMMARY:

This position is for a front-end software developer primarily focused on building web applications to visualize and manage water data. This position will support the Aquifer Mapping and Water Data programs at the New Mexico Bureau of Geology, and will work with external partners to design web applications that meet water data sharing needs.

Qualified candidates will be expected to have a working knowledge of web technologies such as HTML5, CSS, and JavaScript and a basic understanding of user interface and user experience (UI/UX) design. Duties will include turning wireframes and mock-ups into reusable code and building high-quality UI components with scalability in mind. This position is 1 year, full time regular limited term, with potential to continue based on future grants and funding. Remote work is acceptable in this position.

JOB FUNCTIONS:

Work creatively with the New Mexico Water Data Team to build web applications that visualize or manage water data using contemporary open source web technologies. This work will include the following: Coordinate with the New Mexico Water Data Team to integrate UI components with water data APIs and databases; Gather and refine specifications and requirements based on technical requirements or UX design; Debug errors, troubleshoot issues, and perform routine performance optimizations; On-site search engine optimization (SEO); Write high-quality, scalable, and reusable code. 90%

Participate in weekly project meetings including stand-ups, sprint reviews, and sprint planning meetings. 10%

REQUIRED QUALIFICATIONS:

Bachelor's Degree Ideally within computer science, data analysis, data engineering, IT or software development. Undergraduate degree required in Computer Science, Data Science, Data Engineering, IT or Software Development. Bachelor's degree plus 3 years directly related experience. Experience developing modern, responsive, and cross-browser-compatible websites using HTML, CSS, and JavaScript. Basic proficiency with web design. Strong organizational skills, attention to detail, and ability to communicate clearly. Ability to work well with others and as part of a team.

DESIRED QUALIFICATIONS:

Master's Degree ideally within computer science, data analysis, data engineering, IT or software development. Ph.D. or other doctorate level equivalent, ideally within computer science, data analysis, data engineering, IT or software development. Knowledge of JavaScript frameworks such as React, Angular, or Vue. Experience

with JavaScript libraries such as jQuery and Bootstrap. Proficiency with HTML5, including semantic HTML5 elements, microformats, and WAI-ARIA. Familiarity with CSS preprocessors such as Sass, Less, or Stylus. Working knowledge of SEO principles. Experience with cross-browser compatibility testing.

LIFTING REQUIREMENTS:

(f)requently, (o)ccasionally, or (s)eldom

0 - 15 pounds	O
15 - 30 pounds	
30 - 50 pounds	
50 - 100 pounds	
100 + pounds	

PHYSICAL DEMANDS:

Standing 15%	Sitting 80%	Walking 5%	Pulling
Pushing	Lifting	Stooping	Kneeling
Crawling	Climbing	Reaching	Other

Apply to: nmtjobapps@npe.nmt.edu