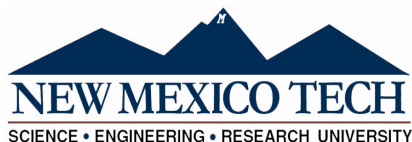


Posted: August 22, 2023



POSITION ANNOUNCEMENT

TITLE: WATER DATA SCIENTIST/ DEVELOPER-FULL STACK

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 mid-stack software developer primarily focused on building and maintaining cloud-based software tools for water data management and ETL. This position will support the Aquifer Mapping and Water Data programs at the New Mexico Bureau of Geology, and will work with modern APIs and other data sources both from within the Bureau of Geology and external agencies to make water data available for visualizations. 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:

Coordinate with the New Mexico Water Data Team, specifically Water Data Integrator, to automate water data connections from APIs and other sources both within the Bureau of Geology, and from external agencies. This will include the following: Build multiple, large, complete, dynamic data integrations; Develop and maintain processes for automation and continuous data services through API's; Support project in design, development, testing, integration, and transformation of data; Provide project documentation, organization, and reporting as needed. 75%

Work creatively with WDI lead developer to identify ways to modernize and streamline water data sharing infrastructure. 15%

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. Masters or PhD Degree desired (in above fields) desired. Undergraduate degree required in Computer Science, Data Science, Data Engineering, IT or Software Development. Bachelor's degree plus 3 years directly related experience. Experience in software design, cloud-based technology, data engineering and development, including familiarity with modern software development practices and tools such as Git and GitHub. Familiarity with the internet, APIs and modern web technologies. Proven experience with object-oriented software development (e.g., Java and Python). Familiarity with relational databases, such as MSSQL, MySQL, PostGRES, or other similar platforms. 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 and experience with implementation of the full software development process using Agile or Iterative methodologies such as Agile Scrum and Scaled Agile Framework. Strong organizational skills, attention to detail, and ability to communicate clearly. Familiarity with water data formats.

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