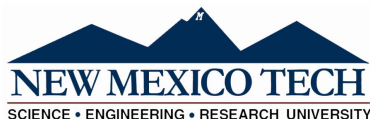


Posted: July 16, 2024



POSITION ANNOUNCEMENT

TITLE: WATER DATA ENGINEER/DEVELOPER

DEPT: BUREAU OF GEOLOGY

REG

TEMP

FULL TIME

PART TIME

STARTING RATE or SALARY RANGE \$60,000-\$75,000

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: July 24, 2024*

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 full-stack software developer primarily focused on building and maintaining cloud-based software tools for the integration of water data from multiple sources. This position will support the Aquifer Mapping and Water Data programs at the New Mexico Bureau of Geology, and will work with modern APIs, Google Cloud tools, and a variety of data sources both from within the Bureau of Geology and external agencies. This position will support our effort to share water data from multiple sources in unified formats to a range of stakeholders. This position is full time.

JOBS FUNCTIONS:

Lead design, development, and maintenance of the Water Data Pipeline infrastructure. Automate water data connections from APIs and other sources both within the Bureau of Geology, and from external agencies. Develop and maintain processes for automation and continuous data services through API's using Google Cloud Platform tools. 45%

Lead design, development, and maintenance of Data Integration Engine application, producing integrated water data from external sources in unified formats. Build multiple, large, complete, dynamic data integrations. 45%

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

REQUIRED QUALIFICATIONS:

Bachelor's Degree in Computer Science, Data Science, Data Engineering, IT or Software Development, or a related field. Four to seven years work experience in software development. Familiarity with modern software development practices and tools such as Git and GitHub. Familiarity with the internet and RESTful APIs for data transfer. Experience with object-oriented software development (e.g., Java and Python). Experience with data engineering and data migration techniques. Driver's License.

DESIRED QUALIFICATIONS:

Master's Degree in Computer Science, Data Science, Data Engineering, IT or Software Development, or a related field. Familiarity with relational databases, such as MSSQL, MySQL, PostGRES, or other similar platforms. 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. Ability to work well with others and as part of a team.

LIFTING REQUIREMENTS:

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

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

PHYSICAL DEMANDS:

Standing 10%	Sitting 80%	Walking 10%	Pulling
Pushing	Lifting	Stooping	Kneeling
Crawling	Climbing	Reaching	Other

Apply to: nmtjobapps@npe.nmt.edu