Posted: **December 3, 2025**

NEW MEXICO TECH
SCIENCE • ENGINEERING • RESEARCH UNIVERSITY

POSITION ANNOUNCEMENT

TITLE: FULL STACK DEVELOPER II/LABORATORIES

DEPT: BUREAU OF GEOLOGY

REG ☑ **TEMP** ☐ **FULL TIME** ☑ **PART TIME** ☐

STARTING RATE or SALARY RANGE $54,000 - $68,411
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: 12/12/2025* 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:

The New Mexico Bureau of Geology and Mineral Resources (NMBGMR), a research division of New Mexico Tech, is seeking a talented and motivated Software Developer / Engineer to support the software and IT needs of our laboratories. This position offers the opportunity to work closely with scientists, engineers, and technical staff to build and maintain tools that support research in geology, mineral resources, and environmental science.

This position plays a key role in both front-end and back-end development, ensuring high-quality, maintainable code that supports the Bureau's mission of improving data access, transparency, and interoperability. The engineer will collaborate closely with product managers and data engineers to deliver tools that are technically sound and responsive to user needs.

JOB FUNCTIONS:

Maintaining, improving, and supporting existing custom laboratory software.
- *Designing and developing new applications and tools to support lab operations.
- *Assisting laboratories with data management, integration, and sharing best practices.
- *Collaborating with researchers and staff to identify software needs and implement solutions.
- *Providing technical support for laboratory IT systems related to data workflows.

Collaborate with the Water Data Initiative and Data Services teams in an agile development environment, participating in sprint ceremonies, code reviews, and collaborative design discussions.

REQUIRED QUALIFICATIONS:

Bachelor's degree in Computer Science, Software Engineering, or a related field plus 5 years experience. Proficiency in one or more programming languages (e.g., Python, JavaScript, C#, or similar). Familiarity with

relational and/or NoSQL databases (e.g., PostgreSQL, MongoDB). Experience with databases and data management best practices. Strong problem-solving skills and ability to work collaboratively with non-technical staff. Excellent communication skills. Strong understanding of software architecture principles, version control (Git), and CI/CD workflows. Experience with agile software development practices and collaboration tools (e.g., GitHub, Jira, or similar).

DESIRED QUALIFICATIONS:

Master's degree in Computer Science, Software Engineering, or a related field. Experience developing software for scientific or laboratory environments. Knowledge of web development frameworks and APIs. Familiarity with data visualization or GIS tools.

LIFTING REQUIREMENTS:

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

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

PHYSICAL DEMANDS:

Standing 10%	Sitting 90%	Walking	Pulling
Pushing	Lifting	Stooping	Kneeling
Crawling	Climbing	Reaching	Other

Apply to: nmtjobapps@npe.nmt.edu