

Posted: May 12, 2023



POSITION ANNOUNCEMENT

TITLE: SOFTWARE DEVELOPER

DEPT: EMRTC

REG

TEMP

FULL TIME

PART TIME

STARTING RATE or SALARY RANGE \$65,000-\$80,000

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: Concurrent* 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 Software Developer will be responsible and capable of building out and maintaining large complex systems for the NMT First Responder Training Program. This critical role must have a strong technical background, business acumen, strong leadership skills, and people management skills. Analytical thinking also is very important, as this position often involves problem resolution and process development. The Software Developer will collaborate with team members including business operations staff, subject matter experts, instructional design staff, and other support members to implement, test, and deploy systems and procedures to enhance program operations. The Software Developer will be responsible for independently researching and implementing methods to improve the current processes associated with the development and delivery of the first responder training courses. Additionally, the Software Developer will provide technical contact support to program staff where needed.

The candidate will work in an innovative and collaborative environment to address national security challenges through research and development in data science, computer science, complex systems, artificial intelligence tools, and emerging technologies.

JOB FUNCTIONS:

Assist program staff, subject matter experts, and developers to implement systems which enhance the program operations, including but not limited to developing software applications or implementing third-party solutions. 70%

Implement and maintain a procedure documentation, train program staff in new procedures (For example, continuous integration, automated testing, version control, etc). 20%

Research emerging technologies and identify areas in business operations where improvements may be made. 10%

REQUIRED QUALIFICATIONS:

Bachelor's Degree in Computer Science, Information System or related field, and 2 years work experience using software development practices. Ability to work both independently and on multidisciplinary teams. Strong interpersonal and communication skills. Initiative in both critical thinking, forward thinking, time and commitment to excellence. Excellent problem solving and trouble shooting skills with respect to complicated. Time management skills applied to managing a small team and working on individual projects. Ability to manage and deploy complex systems (often composed of many individual components).

DESIRED QUALIFICATIONS:

Master's Degree in Computer Science, Information System related field, and 1 years work experience using software development practices. Proficient in Languages: Java, Python, Bash, C, C++, Javascript/Typescript. Familiar with Languages: Perl, Scala, Matlab, PHPP, HTML, C#. Proficient in Programming Frameworks/Design: Web Interface Frameworks, Junit, Docker/Kuberetes, Kafka/MQTT. Familiar with programming Frameworks/Design: Spark, Hadoop, SQL . Proficient in Testing and Developer Frameworks: JIRA, Github/Bitbucket, Git, IDE, Docker/Kuberetes, Kafka/MQTT. Familiar with Testing and Developer Frameworks: Linux, Windows, Mac.

LIFTING REQUIREMENTS:

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

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

PHYSICAL DEMANDS:

Standing 10%	Sitting 20%	Walking 5%	Pulling 5%
Pushing 10%	Lifting 20%	Stooping 5%	Kneeling 5%
Crawling 10%	Climbing 5%	Reaching 5%	Other

Apply to: nmtjobapps@npe.nmt.edu