



## **National Association of State Workforce Agencies (NASWA) Test Automation Engineer - UI Integrity Center**

### **Background**

The National Association of State Workforce Agencies (NASWA) is the national organization representing all 50 state workforce agencies, D.C. and U.S. territories. These agencies deliver training, employment, career, and business services, in addition to administering the unemployment insurance (UI), veteran reemployment, and labor market information programs. NASWA provides policy expertise, shares promising state practices, and promotes state innovation and leadership in workforce development.

One of the projects managed by the NASWA UI Integrity Center is the development of the UI Integrity Data Hub (IDH). The IDH allows participating states to submit UI claims data for matching against other states' UI claims as well as a database of suspicious email addresses and the Suspicious Actor Repository (SAR). The IDH will be expanded to include additional cross-matching and data analysis capabilities. The IDH project team is seeking a full-time Test Automation Developer to support various aspects of the IDH system including software maintenance, enhancements, and state integrations.

### **Brief Overview of Position**

The Test Automation Engineer will develop automated tests for the IDH with the goal of integrating fully automated functional and performance testing into the CI/CD pipeline. The Software Test Engineer will be responsible for creating and maintaining the automated tests as the system grows and changes. The Test Automation Engineer will work with state UI staff and representatives, and with the Project Manager, Sr. Solution Architect, and other members of the project team to meet project objectives.

### **Roles and Responsibilities**

- Development of automated tests and scripts for the existing and new functionality of the IDH
- On-going maintenance of the automated test scripts
- Expanding and maintaining code coverage of unit tests in Java applications as needed

### **Required Competencies**

- Experience in automated software testing tools such as Selenium
- Development of automated functional and performance test scripts for SOAP XML and REST APIs and Web Applications
- Development of unit tests in Java
- Utilization of source code repositories such as Git
- Candidates must have a consistently respectful and professional demeanor toward colleagues, members of the Association, visitors, guests, callers, stakeholders, and vendors. They also must have the ability to develop collaborative partnerships with Project Managers, IT professionals, and stakeholders. Candidates must have effective time and task management skills, paying close attention to detail and keeping errors to a minimum. They must be punctual, reliable, responsible,



composed, honest, ethical, tolerant of differences, and flexible. Candidate must also be comfortable working on a virtual team.

### **Desired Competencies**

- Integration of automated testing into CI/CD pipelines
- Expertise in automated testing of container based microservice architectures
- Experience with automated testing of testing data ingestion systems, such as FTP file processing
- Experience with distributed performance testing in a cloud-based environment
- Familiarity of testing systems with extensive use of data encryption

### **Experience**

- 5+ years in automated software testing including experience in Java
- Excellent client-facing and internal communication skills.
- Excellent written and verbal communication skills.
- Solid organizational skills including attention to detail and multi-tasking skills.
- Strong working knowledge of Microsoft Office.

### **Education (including credentials, certificates, etc)**

- Bachelor's degree in computer science or related technical area required

### **Job Details**

Location: The position is a remote/telework/telecommute position for full-time candidates physically located and authorized to work in the United States for any employer.

Title: Test Automation Engineer

Report to: Mark Fuini, Sr. Solution Architect

Travel Requirements: Approximately quarterly travel around the United States (and possibly US territories) for working sessions

Job Type: Full-time

Salary: \$85,000.00 to \$95,000.00/year with generous benefit package (e.g. tuition, 401k, healthcare, FSA)

NASWA is unable to sponsor applicants for work visas at this time for this position.

Any offer of employment will be contingent based on the results of a background investigation.

**How to Apply:** Submit resume to [mfuini@naswa.org](mailto:mfuini@naswa.org) by November 20, 2019