Test Automation Developer - Summary of Position

BQMI is seeking a Test Automation Developer to design and write programs that run automatic tests on new and existing software applications. The right person for this role will possess a knowledge of application testing and an ability to design, plan and execute application automated testing strategies and tactics to ensure software quality throughout all stages of application development.

The mission of the NASA Safety Center is to provide Safety and Mission Assurance (SMA) training and development expertise, information, verification and analysis to enable collaboration and learning while promoting a safe workplace and successful programs and projects. The NSC vision is to be NASA's preeminent resource for SMA expertise, data and tools.

Essential Duties & Responsibilities

- Build, modify, and maintain Test Automation Frameworks for Web applications
- As part of the Development Team, help implement optimized and re-usable functional test automation
- Design and implement robust and scalable test automation solutions within a DevOps/Continuous Integration environment to improve the quality of functional, regression, and system tests
- Review automated test code to assure adherence to standards and to advise on optimization
- Develop automated testing solutions using testing tools and/or frameworks (e.g., TFS/Azure DevOps Pipelines, Selenium, xUnit, Postman, SpecFlow, Fiddler, etc)
- Automation of test suites against Relational Databases and Stored Procedures
- Creation of unit, integration, and regression tests in C#, Microsoft .NET Framework or other programming languages
- Behavior Driven Development approach (Cucumber, Gherkin)
- Develop and continuously improve testing practices and strategies including functional, performance, regression, and roll-back testing scenarios, scripts, or procedures.
- Understand end-to-end testing through use of both manual and automated testing techniques
- Produce reports and documentation for all testing efforts, results, activities, data, logging, and tracking

Education/Skills

- Bachelor's degree, preferably within computer science, or related business field, will consider experience in lieu of degree
- Formal training in the Information Technology field, specifically around application development is highly desirable

- International Software Testing Qualification Board (ISTQB) or Certified Software Tester (CSTE) certifications are a plus

Experience
- Minimum of 3 years of work experience in IT test automation (developing, testing, and analyzing)
- Demonstrate experience with cloud-based testing environments and tools
- Demonstrate experience with automated test script creation and maintenance using
- Working knowledge of the Agile Scrum methodology and processes is strongly desired
- Working knowledge of collaboration, process, and visualization tools, including Jira, Confluence, and Visio
- Previous experience with Visual Studio and Microsoft Team Foundation Services
- TFVC, Git version control experience
- Experience with IT services, the software development life cycle (SDLC), or technology deployments for federal government agencies, a plus.

Personality or self-management Skills
- Ability to work closely with clients in a shared working environment
- Excellent communications and interpersonal skills
- Strong customer relationship skills are critical
- Ability to coordinate and communicate effectively along a broad spectrum from executive management to support staff
- Strong analytical skills, attention to detail a must

To apply please submit a current resume and cover letter to:

Banner Quality Management
Human Resources Department
HR@bqmi.com

BQMI is an equal opportunity employer. All applicants will be considered for employment without attention to race, color, religion, sex, sexual orientation, gender identity, national origin, veteran or disability status.

Due to contract requirements, U.S. citizenship is required to obtain access to government facilities and systems.