SOFTWARE ENGINEER IV - TEST AUTOMATION

Posting ID: MA17717496

Company: LGS Innovations

Position Type: Full-Time

College Major(s): Electrical/Computer Engineering (EE/CpE), Computer Science (CS)

Company Website: https://www.lgsinnovations.com/

Work Location: Westminster, CO

Salary:

College Level(s): Undergraduate-Senior, Graduate Student, PhD. Student

OVERVIEW

LGS Innovations, a leader in solving the most complex networking and communications challenges, is seeking a System Test Engineer - WINS for our Westminster, CO office location. In this position you will: Under minimal supervision, provide required support for the build, test, and delivery of custom communications solutions. Assess requirements, define complex and detailed test strategies and clearly communicate strategies to stakeholders. Act as the primary Lead for the development and integration of automation test framework and for all test related issues for assigned project(s).

LGS Innovations solves the most complex networking and communications challenges facing the U.S. Federal Government, state and local governments, foreign governments, and commercial organizations worldwide. LGS delivers groundbreaking research, and advanced networking and communications solutions that provide an information advantage that contributes to the mission and operational success of its customers. LGS Innovations is a U.S.-owned company headquartered in Herndon, Virginia, with offices nationwide. We provide our employees with competitive compensation packages and a full range of benefits, including vacation, medical, dental, life insurance, a 401(k) plan, tuition assistance, Employee Assistance Program (EAP), and paid parental leave.

Roles and Responsibilities

Collaborating with product development engineers, lead the work to design and write detailed test plans to provide necessary test coverage.

Design and develop System Test automation framework by integrating the use of a 3rd party test tool (eg. TestComplete)

Provide leadership to automation team and optimize automation technical decisions.

Automate end-to-end tests, smoke test, and regression test suite.

Guide, define and clearly communicate test strategies, including build and test integration process.

Effectively document identified defects and collaborate with engineers on characterization.
Use test equipment to instrument required testing environments. (e.g. protocol analyzers, cellular test equipment.)
Be able to develop automated test scripts for defined test coverage
Ability to work within build and integration systems for product development delivery cadence
Support the provisioning and testing of specific customer deliverables
Communicate test results to customers and stakeholders
Provide technical and administrative support for test frameworks and test tools
Perform manual and automated test execution within a lab environment
Direct work as necessary to ensure deliverables are met
Plan, understand and execute platform configuration and setup
Define and create deliverables for training and system documentation
Support a culture with high standards of operational excellence and continuous improvement
Travel to other LGS locations or customer sites as necessary
Understand and adhere to all LGS Ethical and Compliance policies
Proactively ensure a safe work environment and adhere to LGS EH&S policies and procedures
Perform other duties as required
Ability to obtain/retain a government security clearance at the level necessary to perform the duties of the position

Education and Qualifications
To be considered for this position, you must minimally meet the knowledge, skills, and abilities listed below:

Bachelor’s degree in Electrical Engineering, Computer Science, Computer Engineering or related technical discipline and 6-8 years of related experience or an equivalent combination of education, skills, and experience
Experience with test case management systems (e.g. Testlink, Zephyr, Testopia)
Experience with automated test techniques, an understanding of software design principles, and good knowledge of object oriented programming
Experience with software design and development using high-level languages
Experience with defect and issue tracking systems (e.g. Jira, Bugzilla)
Experience with automated script development within test frameworks or operating systems
Experience with multiple operating systems (e.g. Linux, Microsoft, iOS)
Experience with test instrumentation (e.g. Spectrum Analyzers, Protocol Analyzers)
Experience with software based analytic tools (e.g. tcpdump, Wireshark)
Proven proficiency in problem analysis and experience with a wide range of platforms and customer applications
Prior leadership roles supporting test process applied to complex systems
Experience with interpreted software programming and scripting languages (e.g. Python, JavaScript, Perl)
Knowledge of desktop application software. (e.g. Microsoft Office, Open office, iWork)
Contribute positively as a team member within a dynamic work environment
Excellent teamwork skills with the ability to work independently within a small team
Ability to perform effectively within short time constraints
Self-teaching, with the ability to learn quickly
Provide flexibility to move between and support multiple projects.
Excellent verbal and written communication skills
Preferred Skills
Candidates with these desired skills will be given preferential consideration:

Experience with C/C++/Java/JavaScript/HTML/JScript/Python/VBScript
ISO/OSI protocol stacks, TCP/IP networking, and cellular system wireless protocols.
Knowledge of agile development process within a scrum or Kanban team
Experience with SIP, signaling, call processing, real time operating systems, and hardware
interface software (e.g. device drivers, low-level embedded SW)
Understanding of continuous integration frameworks (e.g. Jenkins, Bamboo)
Use of source code management tools (e.g. git, repo, Perforce )
Familiarity with virtualization platforms and containers (e.g. VmWare, Docker)
Knowledge within web application development technologies (e.g. Python, JavaScript, Ruby,
Java, PHP, etc.)
Strong automated test development and scripting skills (shell, bash, sed, awk, test frameworks)
Experience developing custom automated test frameworks, or in-depth application of 3rd party
frameworks

Equal Opportunity Employer/Veterans/Disabled

How to Apply
https://lgsinnovations.employeereferrals.com/jobs/121417