QA Engineer, Mid:

Are you a Quality Assurance Engineer looking to grow professionally in a company that is also growing? Are you a dreamer, thinker, and doer with a penchant for finding bugs? If you answered “yes” to both questions, Black Sage might just be the place for you.

About Black Sage
We are a C-UAS system integrator, serving the United States and our foreign allied governments. Our mission is to protect airspace against sUAS threats, help customers regain safety and security, and bring about the calm, confident conditions that lead to economic progress and thriving populations.

We make rapidly evolving, layered C-UAS systems which provide persistent protection across varied threat environments and mission sets. We take on the rigorous task of trialing, fielding and developing the C-UAS kill-chain to ensure customers receive the best of breed sensors, effectors and systems for their mission.
In layman’s terms we are damn cool.

Job brief
Black Sage is looking for an experienced Quality Assurance (QA) engineer, mid-level, to develop and execute exploratory and automated tests to ensure product quality. QA engineer responsibilities include designing and implementing automated tests, debugging and defining corrective actions. You will also review system requirements and track quality assurance metrics (e.g. defect densities and open defect counts.)

The QA Engineer role plays an important part in our company’s product development process. Our ideal candidate will be responsible for conducting tests before product launches to ensure software runs smoothly and meets client needs, while being cost-effective. You will also be responsible for mentoring and further developing more junior QA staff. If you hold an engineering background and enjoy providing end-to-end solutions to software quality problems, we’d like to meet you.

Ultimately, you will be responsible for monitoring all stages of software development to identify and resolve system malfunctions to meet Black Sage quality standards.

Responsibilities

- Responsible for developing and automating regression tests to be executed daily against the company codebase
- Review requirements, specifications and technical design documents to provide timely and meaningful feedback
- Create detailed, comprehensive and well-structured test plans and test cases
- Estimate, prioritize, plan and coordinate testing activities
- Design, develop and execute automation scripts using open source tools
• Identify, record, document thoroughly and track bugs
• Perform thorough regression testing when bugs are resolved
• Develop and apply testing processes for new and existing products to meet client needs
• Liaise with internal teams (e.g. developers and product managers) to identify system requirements
• Monitor debugging process results
• Track and report quality assurance metrics, like defect densities and open defect counts
• Stay up-to-date with new testing tools and test strategies

Requirements

• Proficiency and working knowledge of QA methodologies, concepts and tooling (See: The Art of Software Testing)
• Knowledge of network troubleshooting
• Experience with developing automated regression testing
• Linux & command line familiarity preferred
• Github familiarity preferred
• STEM degree preferred
• Selenium browser automation
• Daily software testing for regressions and new features
• Software quality metrics creation and monitoring
• Hardware integration testing
• Test plan and unit testing development
• Test plan and unit test automation via Selenium, shell scripts, python, etc.
• Able to thrive and remain on-task in dynamic startup environment without supervision
• Physical setup of networked hardware in-office and at remote locations (occasional travel may be required)
• Ability to know when a test should be automated and when it should be tested manually
• Ability to know when you should spend the time building your own tooling or use a third-party tool
• Structured and detailed critical thinking
• Understanding of the scientific method and ability to apply it to tracking down bugs in a systematic and repeatable way
• Positive and creative attitude
• Willingness to admit lack of knowledge then pursue the required knowledge (Can you say “I don't know.”?)
• Some late nights required but the daily schedule is flexible
• Working remote is not typically feasible for this work
• Ability to maintain focus for several consecutive hours at a time
• Technical degree highly preferred