

Quality Assurance Engineer Job Description

Duties and Responsibilities:

- Evaluate specification, requirements, and technical design documents to provide prompt and valuable feedback
- Develop detailed and well-structured test cases and plans
- Estimate, prioritize, plan, and coordinate testing activities
- Design, develop, and execute automation scripts using open source tools
- Find, record, track bugs, and perform thorough documentation
- Carry out detailed regression testing after bugs have been resolved
- Develop and apply testing processes for new and existing products to meet client needs
- Monitor debugging process results
- Investigate the causes of non-conforming software and train users to implement solutions
- Track defect densities and open-defect counts and other quality assurance metrics
- Stay knowledgeable of new testing tools and strategies
- Liaise with internal teams like developers and product managers to identify system requirements
- Perform reviews of automation code
- Mentor and lead team on testing automation
- Partner with business resources, system analyst, designers, and programmers to ensure that quality assurance processes and timelines are incorporated
- Identify resource needs, effectively plan, define test strategy, provide quality assurance estimate, and provide test management and test reporting throughout the testing cycle
- Train employees in inspection, statistical, and problem-solving techniques.

Quality Assurance Engineer Requirements – Skills, Knowledge, and Abilities

- Education and Training: To become a QA engineer, you require a bachelor's degree in Computer science, or engineering or in a related discipline. Experience in writing clear, concise, and comprehensive test plans and cases
- IT Skill: QA Engineers have strong knowledge of software QA methodologies, tools, and processes
- Communication Skill: Communication is an extremely important skill of a QA engineer. They must possess good verbal and written communication skill which they use in creating meetings and status reports; having the ability to criticize developers without offending
- Knowledge of the product: Having a good understanding of the design of a product will enable the QA engineer to perform a better test on it.