Quality Assurance Engineer

Job Scope

A quality assurance engineer is responsible for ensuring the quality and reliability of a company's products or services. They play a crucial role in the development process by designing and implementing testing protocols, conducting tests, and analyzing test results to identify defects or areas for improvement.

Responsibilities

- Develop and implement quality assurance policies and procedures to ensure products or services meet established standards and customer requirements.
  Collaborate with cross-functional teams, including product managers, developers, and designers, to understand project requirements and specifications.
  Create test plans, cases, and scripts based on project requirements and specifications.
  To identify defects and ensure product quality, various types of testing, such as functional, regression, performance, and usability, should be performed.
  Execute manual and automated tests using appropriate testing tools and frameworks.
  Identify, document, and track software defects and issues and work with the development team to resolve them.
  Analyze test results and provide feedback to the development team regarding product quality and performance.
  Participate in designing and implementing continuous integration and continuous deployment (CI/CD) processes to improve testing efficiency and accuracy.
  Collaborate with the development team to establish and enhance best practices and quality standards for software development.
  Conduct root cause analysis and recommend corrective actions for quality issues.
  Stay updated with industry trends and advancements in quality assurance methodologies and tools.

Requirements

- Bachelor's degree in computer science, engineering, or a related field. Relevant work experience may be considered in lieu of a degree.
  Proven experience working as a quality assurance engineer or in a similar role.
  Strong understanding of software development processes, testing methodologies, and quality assurance principles.
  Proficiency in test planning, test design, and test execution.
  Experience with test management tools and defect tracking systems.
  Knowledge of automated testing frameworks and tools (e.g., Selenium, JUnit, TestNG).

Familiarity with programming languages (e.g., Java, Python, C#) and scripting languages (e.g., JavaScript, PowerShell).

Excellent analytical and problem-solving skills.

Strong attention to detail and ability to effectively prioritize and manage multiple tasks.

Good communication and collaboration skills to work effectively with cross-functional teams.

Knowledge of Agile/Scrum methodologies is a plus.

Relevant certifications, such as ISTQB, are desirable but not mandatory.