

Software Quality: Sr. Principal Software Quality Engineer

Develops, modifies, applies, and maintains standards for software quality operating methods, processes, systems and procedures. Conducts software inspection, testing, verification and validation. Implements software development and maintenance processes and methods. Ensures measures meet acceptable reliability standards. Develops overall operating criteria to ensure implementation of the software quality program according to project, process and contract requirements and objectives. Ensures that project and process control documentation are compliant with requirements, objectives and/or contract. Reviews software design, change specifications, and plans against contractual and/or process requirements. Reviews include applicable specifications, materials, tools, techniques, and methodologies. Performs or directs verification of software requirement allocations, traceability, and testability.

Discretion/Latitude

Works under consultative direction toward predetermined long-range goals and objectives. Assignments are often self-initiated. Determines and pursues courses of action necessary to obtain desired results. Work checked through consultation and agreement with others rather than by formal review of superior.

Knowledge, Skills and Abilities

Applies advanced technical principles, theories, and concepts. Contributes to the development of new principles and concepts. Widely recognized for achievements, technical expertise and meritorious standing within professional field. Identifies, analyzes and develops new business opportunities. Establish customer contacts, conducts researches and analysis into their future plans and needs, assists with the development of their specifications, develops proposals, and deliver marketing presentations.

Problem Solving

Works on unusually complex technical problems and provide solutions that are highly innovative and ingenious.

Impact

Develops advanced technological ideas and guides their development into a final product. Erroneous decisions or recommendations would typically result in failure to achieve critical organizational objectives and effect the image of the organization's technological capability. Functions in a program leadership role. Plays a key role in implementing programs/projects and makes significant contributions to department goals and overall functional strategic planning efforts.

Liaison

Serves as organization spokesperson on advanced projects and/or programs. Acts as advisor to management and customers on advanced technical research studies and applications. Often instrumental in attracting and obtaining major new company business.

Minimum Education and Experience

15+ years with BS in designated Engineering or related field. Employees usually have advanced degree in field of specialization.