Embedded Engineer: Associate Principal Embedded Engineer

Designs, develops, operates and maintains software and firmware components and computing systems software; ensures components and software meet with engineering, scientific and manufacturing requirements. Applies the appropriate standards, processes, procedures and tools throughout the system development life cycle to support the generation of engineering applications and products, such as: laboratory simulation systems, aircraft flight control and display systems, mechanical and electrical systems. Interfaces with customers, suppliers, application users and other technical and support personnel.

Discretion/Latitude
Work is performed without appreciable direction. Exercises considerable latitude in determining technical objectives of assignment. Completed work is reviewed for desired results from a relatively long-term perspective.

Knowledge, Skills, & Abilities
Applies extensive technical expertise and has full knowledge of other related disciplines. Answers technical questions regarding products and services and may take part in putting together proposals, configurations and product offerings.

Problem Solving
Develops technical solutions to complex problems that require the regular use of ingenuity and creativity.

Impact
Regularly called upon to function in a project leadership role. Erroneous decisions or recommendations would typically result in failure to achieve major organization objectives

Liason
Represents the organization as the prime technical contact on contracts and projects. Interacts with senior external personnel on significant technical matters often requiring coordination between organizations.

Minimum Education and Experience
10-12+ years with a BS in designated Engineering or a related field. Employees usually have an advanced degree in their field of specialization.