

Embedded Software Engineer Senior

Job Code: 7480

Salary Grade: S13

FLSA Status: Exempt

The following statements are designed to outline the general functions and typical responsibility levels associated with positions in this classification. They are not intended to serve as an exhaustive list of specific duties or requirements for individual positions assigned to this classification.

Duties and Responsibilities

Serves as a Team Lead in the design and implementation of embedded software architecture for radar/equipment monitoring and control.

- Serves in a Team Lead role, providing mentorship, guidance, and leadership.
- Evaluates embedded software/firmware/hardware (FPGAs, etc.) and design.
- Codes, debugs, and tests system software.
- Performs embedded software and multi-platform software implementation.
- Provides technical support for data communication/acquisition/control systems and experiments.
- Provides consulting to system-level designs, including costing, lead times, and alternative solutions.
- May supervise staff.
- Performs various duties as needed to successfully fulfill the functions of the position.

Minimum Qualifications

Education:

Required: Bachelor's degree.

Equivalency/Substitution: Will accept 48 months of related experience in lieu of the Bachelor's degree for a total of 108 months of related experience.

Experience:

Required: 60 months of embedded software experience.

Certifications or Licenses:

- None

Verification of education and licensure (if applicable) will be required if selected for hire.

Knowledge, Skills, and Abilities

- Highly organized and able to handle multiple projects and deadlines
- Able to communicate well and build rapport quickly with students, faculty and staff
- Able to work well with interdepartmental teams and initiatives
- Willingness to work as an integral part of a high-energy team of engineers and scientists
- Strong desire to learn new technical skills

Working Conditions

Physical:

Ability to engage in repetitive motion.

Environmental:

Ability to work in varied settings and locations as determined by research goals. May be required to travel. Ability to work effectively with a wide range of constituencies.

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