EMBEDDED SOFTWARE ENGINEER III

Posting ID: MA17717496

Company: LGS Innovations

Company Website: https://www.lgsinnovations.com/

Work Location: Westminster, CO

Position Type: Full-Time

Salary:

College Major(s): Electrical/Computer Engineering (EE/CpE), Computer Science (CS)

College Level(s): Undergraduate-Senior, Graduate Student, PhD. Student

OVERVIEW

LGS Innovations, a leader in solving the most complex networking and communications challenges, is seeking a Embedded Software Engineer III for our Westminster, CO office location.

In this position you will: Under minimal supervision, design and implement embedded real-time software and firmware solutions for custom wireless communication standards.

LGS Innovations solves the most complex networking and communications challenges facing the U.S. Federal Government, state and local governments, foreign governments, and commercial organizations worldwide. LGS delivers groundbreaking research, and advanced networking and communications solutions that provide an information advantage that contributes to the mission and operational success of its customers. LGS Innovations is a U.S.-owned company headquartered in Herndon, Virginia, with offices nationwide. We provide our employees with competitive compensation packages and a full range of benefits, including vacation, medical, dental, life insurance, a 401(k) plan, tuition assistance, Employee Assistance Program (EAP), and paid parental leave.

Roles and Responsibilities

Design, develop, test and maintain real-time embedded software on custom wireless communications systems
Provide system analysis and implementation of wireless/networking protocols and applications
Understand customer requirements, identify risks and implement solutions to deliver quality software solutions
Design, document and implement signification portions of the communication system by interfacing with other development engineers to integrate total solution
Support technical leadership, design, documentation, and implementation of the real-time system management and the documentation of software and firmware versions and releases
Travel to other LGS locations or customer sites as necessary
Understand and adhere to all LGS Ethical and Compliance policies
Proactively ensure a safe work environment and adhere to LGS EH&S policies and procedures
Perform other duties as assigned
Ability to obtain/retain a government security clearance at the level necessary to perform the duties of the position

**Education and Qualifications**
To be considered for this position, you must minimally meet the knowledge, skills, and abilities listed below:

Bachelor’s degree in Computer Science, Computer Engineering, Electrical Engineering or related discipline and 4-6 years related experience or an equivalent combination of skills, education, and experience.
Master’s degree desired
Experience with embedded software that controls hardware (e.g. device drivers, microcontrollers MSP, ARM, PIC)
Experience with development of real-time environments, wireless protocols, etc.
Experience with multiple programming methods including C++, JavaScript, Objective C, etc.
Scripting language experience required
Ability to interpret schematics and design/implement associated embedded software
Familiarity with Object Oriented Design, architecture and programming methods
Flexibility to adapt to new and changing opportunities required
Knowledge of Microsoft software applications and other software applications as required, including Microsoft SharePoint
Excellent communication skills
Demonstrated effective teamwork skills

**Preferred Skills**
Candidates with these desired skills will be given preferential consideration:

Understanding of RF equipment
Knowledge of cellular and wireless communication systems
Protocol stack and embedded application development experience

Equal Opportunity Employer/Veterans/Disabled

**How to Apply**
https://lgsinnovations.employeereferrals.com/jobs/153119