

**Position:** Tech Lead Software-Embedded Engineer

**Duration:** Permanent Position

**Key Responsibilities:**

- Lead the design, development, and optimization of embedded software for systems based on the STM32 microcontroller platform.
- Head cross-functional teams to ensure seamless integration of software and hardware components, driving technical decision-making processes.
- Deliver top-tier consulting services to our clients, ensuring the developed solutions align with their requirements and surpass their expectations.
- Troubleshoot and resolve software-related issues and discrepancies, ensuring optimal system performance.
- Produce comprehensive documentation detailing software design, functionalities, and integration procedures.
- Conduct knowledge transfer sessions and technical training for both internal teams and clients, ensuring all stakeholders are well-informed.

**Required Hard Skills:**

- Minimum 6 years of experience in embedded software development.
- Proficiency in C and C++ programming languages, particularly in an embedded context.
- Extensive hands-on experience with STM32 microcontroller platforms and associated development tools.
- Solid understanding of embedded system principles, including interrupts, real-time constraints, and memory management.
- Familiarity with communication protocols such as I2C, SPI, USART, and CAN.
- Knowledge of RTOS and multi-threading principles.
- Proficiency with debugging tools and techniques for embedded systems.
- Experience with version control systems, preferably Git.
- Knowledge of unit testing and continuous integration methodologies for embedded systems.
- Familiarity with power management techniques on STM32 platforms.

**Required Soft Skills:**

- Strong Communication: Ability to articulate complex technical concepts to non-technical stakeholders.
- Team Leadership: Demonstrated experience leading teams, driving collaboration, and fostering a positive working environment.
- Analytical Thinking: Ability to dissect complex problems and provide innovative solutions.
- Client Orientation: A track record of maintaining strong client relationships, understanding their needs, and ensuring their satisfaction.
- Adaptability: Thrive in a fast-paced environment, adapting to rapidly changing requirements.
- Problem-solving: Strong troubleshooting skills, with a focus on pragmatic and efficient solutions.
- Continuous Improvement: Passion for enhancing processes and driving continuous learning within the team.

**Preferred Qualifications:**

- Bachelor's or Master's degree in Computer Science, Electrical Engineering, or a related field. Advanced degrees or certifications related to embedded systems are highly advantageous.