

Position: Software-Embedded Engineer

Duration: Permanent Position

Key Responsibilities:

- Design, develop, and optimize embedded software for Raspberry Pi-based systems.
- Collaborate closely with cross-functional teams to ensure the integration of software with hardware components.
- Provide consulting services to clients, ensuring the developed solutions meet or exceed their requirements.
- Debug and resolve software defects and compatibility issues.
- Document software design and functionalities clearly and comprehensively.
- Provide knowledge transfer and technical training to internal teams and clients.

Required Hard Skills:

- Minimum 5 years of experience in embedded software development.
- Proficient in C, C++, and Python programming languages.
- Extensive experience with Raspberry Pi platforms and its associated peripherals.
- Familiarity with common embedded systems tools, debuggers, and compilers.
- Solid understanding of real-time operating systems (RTOS).
- Knowledge of communication protocols such as I2C, SPI, and UART.
- Familiarity with embedded software development processes and lifecycles.
- Experience with version control systems, preferably Git.
- Knowledge of continuous integration and continuous deployment (CI/CD) pipelines.
- Basic understanding of hardware schematics and components.

Required Soft Skills:

- Strong communication skills, both written and verbal.
- Ability to work effectively in a team-oriented environment.
- Proven analytical and problem-solving abilities.
- Demonstrated ability to manage multiple tasks and prioritize effectively.
- Client-centric mindset with a focus on delivering exceptional results.
- Strong attention to detail and commitment to producing high-quality work.
- Self-motivated with a desire for continuous learning and skill development.
- Strong interpersonal skills, with the ability to establish productive working relationships across various teams and departments.
- Demonstrated ability to present technical information to non-technical stakeholders in a clear and understandable manner.

Preferred Qualifications:

- Bachelor's Degree in Computer Science, Electrical Engineering, or a related field. Advanced degrees are a plus.