

[Your Full Name]

[Address, City, State, Zip Code]

[Phone Number] | [Email Address]

[LinkedIn Profile URL] | [Portfolio/GitHub URL]

[Date]

[Hiring Manager Name]

[Title]

[Company Name]

[Company Address]

Dear [Hiring Manager Name or "Hiring Committee"],

I am writing to express my interest in the **Embedded Systems Software Engineer** position at [Company Name], as advertised on [Platform/Source]. With a strong background in [C/C++, RTOS, or Linux Kernel development] and a passion for hardware-software integration, I am eager to contribute to [Specific Project or Department] at your organization.

In my previous role at [Previous Company/University], I specialized in [mention a core skill, e.g., developing firmware for ARM Cortex-M microcontrollers]. My key achievements include:

- [Action Verb] a [Project Type] which resulted in [Quantifiable Result, e.g., 20% reduction in power consumption].
- Implementing communication protocols such as [I2C, SPI, UART, or CAN bus] to interface with [Specific Sensors/Peripherals].
- Debugging complex timing issues using [Oscilloscopes, Logic Analyzers, or JTAG/SWD debuggers].
- Collaborating with hardware teams to perform [Board Bring-up or Schematic Reviews].

I am particularly drawn to [Company Name] because of your recent work in [mention a specific company product or technology]. My expertise in [Specific Technical Skill, e.g., FreeRTOS, Yocto Project, or Device Drivers] aligns directly with the requirements outlined in the job description. I am confident that my methodical approach to low-level programming and system optimization will be an asset to your engineering team.

Thank you for your time and consideration. I look forward to the possibility of discussing how my technical skills and experience in embedded systems can support the goals of [Company Name].

Sincerely,

[Your Signature (if sending by mail)]

[Your Printed Name]