



11529 Goldcoast Drive, Cincinnati, Ohio 45249  
Phone: (513) 777-5233 • Fax: (513) 777-2042  
www.pe-cds.com • www.pe-ltd.com

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## Senior Embedded Software Engineer

**Location:** Cincinnati, OH | **Job Type:** Full-Time | **Visa Sponsorship:** Not Available

Performance Electronics (PE) is seeking a Senior Embedded Software Engineer to develop embedded code that directly interfaces with the systems we design and build in the automotive, industrial, and aerospace sectors. You will collaborate closely with fellow software engineers while also writing and maintaining code independently. The ideal candidate is passionate about embedded systems, enjoys hands-on work with hardware, and takes ownership of their code while managing their responsibilities to keep projects on track.

### Responsibilities:

- Develop and maintain software that interfaces with embedded hardware, mobile applications, and cloud-based platforms.
- Write control-level embedded software for custom hardware platforms.
- Collaborate with electrical engineers and designers, application engineers, and sales and project managers to produce fully integrated products that meet customer requirements.
- Provide technical leadership in software development to junior team members.
- Participate in code reviews, design discussions, and architecture planning.
- Develop, execute, and document verification test procedures and unit tests.
- Work with support staff to troubleshoot existing products.
- Manage multiple projects concurrently and adapt quickly to shifting priorities.
- Break down problems and estimate time for development tasks.

### Qualifications:

- Bachelor's degree in Electrical or Computer Engineering, Computer Science, or related field.
- 5+ years of professional experience in embedded software development.
- Understanding of the software development lifecycle and change management processes.
- Ability to utilize common electronic test equipment: DMMs, oscilloscopes, function generators, logic analyzers, etc.
- Experience or interest in automotive control systems.
- Strong analytical and problem-solving skills.
- High level of attention to detail and accuracy.
- Excellent interpersonal and communication skills.

### Key Technologies:

- Languages: C/C++, Python
- Communication Protocols: BLE, CAN, SPI, I<sup>2</sup>C
- Platforms: Linux, AWS, Docker
- Developer Tools: Git, Jira, Confluence, Bitbucket
- Embedded Operating Systems: Zephyr, FreeRTOS, ThreadX
- Microprocessors: ARM Cortex-M7 & M33, NXP, Freescale, Microchip Pic32

**To Apply:** E-mail your resume to [HR@pe-ltd.com](mailto:HR@pe-ltd.com)