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## **Lead Embedded Software Engineer**

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

Performance Electronics (PE) is seeking a **Lead Embedded Software Engineer** to join our fast-paced engineering team. This is a leadership-focused role with both technical and managerial responsibilities. The ideal candidate will be a hands-on engineer with a passion for embedded systems, who excels at leading small, cross-disciplinary software teams.

### **Responsibilities:**

- Develop and maintain software that interfaces with embedded hardware, mobile applications, and cloud-based platforms.
- Lead and mentor a team of 2–4 developers across embedded systems, mobile app development, and AWS/cloud services.
- Write control-level embedded software for custom hardware platforms.
- Develop and maintain a scalable embedded software architecture that supports multiple hardware platforms and project needs.
- Plan own work and organize and delegate software team tasks and goals to ensure timely delivery of project objectives.
- Collaborate with electrical engineers and designers, application engineers, and sales and project managers to produce fully integrated products that meet customer requirements.
- Participate in code reviews, design discussions, and architecture planning.
- Develop, execute, and document verification test procedures and unit tests.
- Manage multiple projects concurrently and adapt quickly to shifting priorities.
- Break down problems and estimate time for development tasks.

### **Qualifications:**

- Bachelor's degree in Computer Engineering, Electrical Engineering, Computer Science, or related field.
- 7+ years of professional experience in embedded software development.
- Experience leading or mentoring a small development team.
- 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)