



## **Embedded Software Engineer - Permanent**

Due to high and consistent growth, Pektron has vacancies for a number of new embedded software engineers to work within a multi-disciplined engineering team, consisting of mechanical, electronic and firmware engineers.

New business is primarily focussed in the high performance and luxury car markets, however, Pektron designs and manufactures a wide range of products for Gas, Automotive, Safety and Consumer industries and typical systems are: Vehicle Body Controllers, Instrumentation, Immobilisers, Alarms, Telematics, Colour Display, Gas Controls, Driveline and Transmission Control.

This is an excellent opportunity for someone to write software for interesting and varied projects as well as specify tools, requirements and drive the software discipline within the company. This role involves every aspect of the product lifecycle from quotations, conception and design through to manufacture.

### ***Experience Required***

Programming Language C  
Highly Developed Documentation Skills  
Version Control  
Static Analysis / Code Metrics  
Highly developed structured approach to design  
Real Time Control  
5+ Years of Design in a Commercial Environment  
Embedded control systems  
Microprocessors 8,16 & 32 bit  
Low Level Drivers For External Hardware / CPU Peripherals

### ***Essential Attributes***

Self managing  
Highly motivated  
Customer facing  
Good Technical Writing Experience  
Willingness to work to existing software design ethics and style  
Full Driving Licence (You could be working on vehicle systems and/or at customer site)  
Ability to travel freely, some customers are based in US / Eu

### ***Additional Experience That Would Be An Advantage***

Programming: Windows/Linux, Visual Basic, C++, high level structured languages  
Simple Electronic Design: Analogue / Digital  
Control of Graphic Displays  
Communications Protocols: CAN, Diagnostic, IP  
Use Of Volcano or Vector Vehicle Networking Tools  
Modelling experience (For example: UML, Matlab, Simulink or Targetlink)  
ARM Based Graphics Processors & Driving TFT displays



## ***Interview Stages***

### ***Telephone Conversation***

A general chat to see if the candidate and Pektron have a good fit in terms of project work and design ethic.

### ***Interview***

It is beneficial for the interview that candidates bring some evidence of project work undertaken, e.g. product brochures, Specs, Circuits, Listings, Photos etc. These will only be looked at and used as a talking point whilst discussing the role.

Depending on the type of job applied for, a test to look if basic skills are adequate. A tour around the company and introduction to Pektrons product ranges.

### ***General***

Working hours 8:30am – 5:00pm Mon -Thu, 8:30am – 4:00pm Friday, 1/2 hour lunch breaks, 39 hours per week. 25 Days holiday per year (some kept for Christmas shutdown, generally 2 – 4 days).

Company will match 2.5% of salary paid into a group personal pension plan.

Medical Cover (Currently Bupa)

Candidates must be:

- Resident and eligible for work in the UK.
- Full UK driving licence
- No world travel restrictions

Apply With CV To:

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