

Embedded Systems Engineer

-  Do you have experience working on embedded firmware development?
-  Do you have significant programming experience of C and C++?
-  Are you passionate about problem solving with a proactive can do attitude?

Who Are GDS Instruments?

GDS have been at the forefront of designing computer controlled systems to evaluate the mechanical properties of soil and rock for over 40 years and are highly regarded within the geotechnical and earthquake engineering design sector. In 2011 we were awarded the prestigious Queens Award for Enterprise in International Trade and now export to over 70 countries worldwide. We take pride in our company mission and vision statements which underpins our core staff values as we work together to be the best in our field.

Our Mission:
Dedicated to exceeding customer expectations by providing quality, service and on time delivery whilst listening to our customers needs.

Our Vision:
To be the world leader in advanced software controlled geotechnical laboratory systems.

Purpose of the role:

GDS are looking for a talented embedded systems engineer to complement our multi-disciplinary team in completing our current projects before taking a more leading role in the next generation of greenfield development. The primary focus will be on writing code for microcontrollers that handle data acquisition and processing, actuator control and communication protocols. You will be responsible for developing robust and highly maintainable code, and be an integral part in the end-to-end development and testing of firmware and embedded software.

Responsibilities include; Develop and maintain C / C++ code running on bespoke electronics, integrate code into new and existing electro-mechanical systems, be actively involved in the complete development cycle.

Key requirements:

- Degree in electronics, computer science or engineering
- Significant programming experience in C or C++
- Experience working on embedded firmware development (microcontrollers)
- Experience in working in real-time systems (ideally motion control)

Employee Benefits:

GDS continuously strive to introduce new ways to ensure that our staff have a great work / life balance.

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| • Company bonus scheme | • Free daily catered lunch |
| • Share incentive scheme | • Free fruit delivered weekly |
| • Workplace pension scheme | • Cycle to work scheme |
| • General life assurance | • Wellbeing break out area |
| • Employee Assistance Program | • Wellness activities and incentives |

If you are interested in knowing more about this role or would be interested in applying for the position, please send your queries, CV and covering letter to salena@gdsinstruments.com