

Senior Embedded Firmware Engineer

-  Do you have Experience working on embedded firmware development?
-  Do you have advanced knowledge 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:

As the Senior Embedded Firmware Engineer you will be responsible for developing robust and highly maintainable code running in advanced geotechnical testing machines. You will be an integral part in the end-to-end development and testing of firmware and embedded software. Your role will focus on writing code for microcontrollers that handle data acquisition and processing, actuator control and communication protocols.

Responsibilities will include; Develop and maintain C / C++ code running on ARM microcontrollers and bespoke electronics, integrate code into new and existing electro-mechanical systems, be actively involved in the complete development cycle, integrate with existing team processes on planning, version control and documentation, and contribute to the design and development of new products.

Key requirements:

- Previous experience working as a Senior Firmware Engineer
- Advanced knowledge of C and C++
- Experience working on embedded firmware development
- Excellent problem solving skills
- Knowledge of communication interfaces for embedded systems (USB, SPI, UART, CAN)
- Knowledge of software development tools and procedures (GIT, version control)
- Good project and time management skills

Employee Benefits at GDS

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

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

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**](mailto:salena@gdsinstruments.com)