



JOB PROFILE: **Firmware Engineer/Developer (entry level)**
REPORTS TO: **R&D Manager**

DATE: August 27, 2021

This is an exciting time to join the global R&D team at Pulsar Measurement here in Largo Florida. The recent merger of Pulsar Process Measurement and Greyline Instruments businesses, specializing in ultrasonic level and flow measurement technologies for over 20 years has set us up for success and exciting product development opportunities as part of an international team.

Pulsar Measurement is part of the TASI Flow group which was formed in 1999, and has successfully grown companies who consistently deliver world-class products and services, focusing on our global customer needs in diverse market segments. TASI's high repeat customer rate is due to an ability to remain close to our customers reinforced by providing local service and complete engineered solutions and problem solving. Join us on this exciting journey.

Send resume to: abourdon@pulsarmeasurement.com

MAIN DUTIES & RESPONSIBILITIES

Firmware, software development :

- Develop and implement reliable and intuitive software while maintaining current and legacy portfolio.
- Develop, implement, and maintain firmware solution in embedded and microcontroller-based systems.
- Directly responsible for software and firmware development tasks relating, but not limited to, new product development, sustaining production, product enhancement, regulatory compliance, validation testing and circuit diagnosis.
- Analyze, validate and test logic and computational algorithms.
- Support software and product acceptance testing.
- Plan and produce deliverables on-cost and on-time in an agile design and development environment.
- Communicate and operate cohesively within the team to produce optimal result.

- Upskill and train within area of expertise to take on emerging challenges and opportunities presented by evolving technology.
- Generate and maintain effective documentations throughout firmware and software development.

TRAVEL

- Travel is based on demand when conditions allow. Travel includes but is not limited to regions, factories, offices, customer locations and suppliers.

KNOWLEDGE & SKILL

- Passion for programming and problem-solving.
- Minimum Associates degree with Computer Science, or CS Major with Bachelors Degree. Candidates with strong industry track record also considered.
- Proficient with .Net programming languages such as C# and Visual Basic, Java and/or other object-oriented languages.
- Proficient in firmware programming languages based upon C and C++, and associated development toolchain.
- Knowledge and experience firmware development on microcontrollers, preferably within STM and Microchip ecosystem, preferably both bare-metal and RTOS architecture.
- Preferably, knowledge of Android/iOS development toolchain and environment.
- Preferably, interest in cloud telemetry, control systems or sensor technologies.

Pulsar Measurement is a trading name of Pulsar Process Measurement, Ltd.

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