Software Engineer
Ref: MS-JDS-SWE-202002

Title: Software Engineer

Reports to: Software Engineering Team Lead

Based at: MetaSensing BV, Noordwijk ZH, The Netherlands.

Job purpose: Development and test of control software for radar systems.

Job duties
- Write well-designed, testable code.
- Integrate software components into a fully functional software system.
- Document, maintain and improve existing codebases.
- Troubleshoot, debug and upgrade existing systems.
- Investigate and use new technologies where relevant.

Required skills
- 2/4 years working experience.
- Good knowledge of the C++ programming language (including modern C++ standards like C++11 or above).
- Working experience with system integration of electronic devices (i.e. knowledge of communication protocols such RS-232, TCP/IP, UDP, CAN bus).
- Working experience with integrating devices like IP cameras, navigation units, IMU, stepped motors, linear actuators, temperature and humidity sensors.
- Excellent communication and teamwork skills.
- Great creative and innovative problem-solving skills.
- Good knowledge of the English language for the working environment.

Appreciated skills
- Background knowledge of radar technology and signal processing.
- Experience in development of graphical user interfaces with Qt / QML.
- Experience in CUDA programming.
- Knowledge of OpenGL, GLSL.
- Familiarity with Linux systems (bash scripting, development of device drivers).
- Knowledge of MATLAB scripting language.
- Experience in programming of Microcontrollers.

Candidates must be eligible to work in the EU.

The employment has a standard duration of one year with a possibility of extension. The starting date will be agreed with the candidate, early starting date is preferred.

MetaSensing is an innovative Dutch remote sensing company founded in 2008 with the aim of commercializing the new compact, high resolution radar mapping technology. In just a few years, MetaSensing has acquired numerous successful airborne radar campaigns completed at the Ku, X, C, S, L and P frequency bands, and developed ground-based radar systems for different applications. Today MetaSensing is one of the unique companies in the world which offer cost effective airborne and ground-based radar sensors and services both for commercial and scientific applications.

Combination of innovative technology and advanced processing techniques has made MetaSensing a fast growing, global company with projects in Europe, South East Asia, Middle East, Canada, United States, Africa and South America.

Noordwijk, 06/02/2020