Contract Programmer (short-term) – Flutter, IoT and Data Analytics

The Munster Technological University has established a world-class applied research centre in the area of Intelligent Mechatronics and Radio-frequency identification (RFID) i.e. The Intelligent Mechatronics and RFID Centre - IMaR.

The principal theme of the **IMaR Centre** is the synergy between mechatronics, Sensors, RFID, Internet of Things (IoT) and Data Analytics for industrial applications driven by new technology, innovation and global demand. IMaR consists of two research strands **Intelligent Mechatronics** and **Radio Frequency Identification & Internet of Things** both focused on the delivery of a wide range of automation, identification and manufacturing services. IMaR is core funded by Enterprise Ireland under the Technology Gateway Programme and houses state-of-the-art research facilities.

The IMaR Centre offers an opportunity to work at the forefront of leading edge research across a large cross section of industries including Automotive, Telecommunications, Pharmaceutical, Production / Manufacturing, Aeronautical, Environmental and Agriculture.

Minimum Qualifications

Applicants are required to have a minimum of an honours degree in a computing, electronics or a related discipline. Experience of software development in Android using Flutter/DART is essential. The successful candidate will write an Android 25 (Nougat) data collector. Experience with implementation of BLE, Sensors and/or IoT related technology would be desirable.

Candidates **must** demonstrate the following:

- Excellent technical skills with strong ability to design and implement solutions in Flutter/Dart framework. Kotlin/Java cannot be considered in this case.
- Familiarity with current developments in the area of software development.
- Familiarity with current developments in the area of cross-platform development for sensor/ Internet of Things devices
- Ability to exercise a degree of innovation and creative problem solving.
- Ability to work under the general supervision of an external third-party who will determine the broad direction of the work to be undertaken.
- Demonstrates clear, logical and concise written and oral communication skills.
- Ability to prioritise and meet deadlines.
- Ability to work independently in some activities and as part of a team.

The following skills would be desirable:

- Proven mastery (Git project portfolio) of Android programming using the Flutter/Dart paradigm
- Familiarity with technologies such as Java Script, PHP, Web Services, API's and DBMS.
- Familiarity with Android paradigms for sensor data collection. (BLE GATT Comms).
- Familiarity with storage and server-side options including Kafka and SQLite
- Familiarity with Sensors and Internet of Things related hardware and software technology.
- Experience with GIT or other revision control systems.
- Familiarity with data presentation techniques, data analytics and machine learning / statistical packages such as Tensorflow, Matlab, R-Project, Pandas or similar.

Job Role and Description

- Work on a short-term Android programming project for an IMaR client.
- Responsible for the development of demonstrator or proof of concept prototypes.
- Communicate with clients on project requirements
- Create project documentation.
- Work with other team members, including postgraduate and researchers as directed by the project lead.

Salary

This position is a fixed term 12 week contract to develop an Android service. An annual salary of 32,008 will apply to this post, dependent on the candidate's qualifications and experience.

Application Procedure

All applications must be made online at www.mtu.ie/vacancies

Location

This post is located at IMaR in the Munster Technological University Kerry Campus. However due to COVID, 100% remote working is envisaged.

Informal Enquiries

Informal enquiries ONLY may be addressed to Keith Phelan, email: keith.ofaolain@ @staff.ittralee.ie

Closing date for applications is 31st of May 2021.

Applications received after the closing date will not be accepted.