



## **Mobile Developer**

**Insight SFI Research Centre for Data Analytics at Dublin City University**

**Fixed Term Contract up to 11 Months**

### **Background**

The Insight SFI Research Centre for Data Analytics (<http://www.insight-centre.org>) is an SFI funded Research Centre which brings together researchers from University College Dublin, NUI Galway, University College Cork, and Dublin City University, as well as other partner institutions, Trinity College Dublin (TCD), University of Limerick (UL), Maynooth University (MU) and Tyndall National Institute. It creates a critical mass of more than 400 researchers from Ireland's leading ICT clusters to carry out research on a new generation of data analytics technologies in a number of key application domain areas, such as Health and Human Performance, Smart Communities, Internet of Things, Enterprise and Services and Sustainability and Operations.

The €150m Centre is funded by Science Foundation Ireland and a wide range of industry and European Union partners. Insight's research focus encompasses a broad range of data analytics technologies from machine learning, decision analytics and social network analysis to linked data, recommender systems and the sensor web. Together, with more than 220 partner companies, Insight researchers are solving critical challenges in the areas of Connected Health and the Discovery Economy.

### **Project Overview**

We have developed a platform for rapid design, deployment of context-aware mobile surveying and we are seeking a new mobile developer/engineer to join our team – a person who will spin-out with our new company and the team. This is a great opportunity to be involved in a technology start-up which is vibrant, growing and cutting-edge. Contact the project lead Prof Tomás Ward for an informal discussion about the career path opportunities.

### **Role Profile**

We are seeking a mobile engineer to work with our mobile platform team. Our software, AthenaCX is a customer-configurable data collection platform which can be configured from a companion web application for the purposes of context-sensitive interaction and data capture from the user. We have iOS and Android mobile clients and support wearables such as the Fitbit for triggering and additional data collection. Applicants with experience in either or both systems are welcome to apply. More specific details regarding the role can be discussed at the interview stage.

### **Principal Duties and Responsibilities**

Reporting to the project lead Professor Tomas Ward the engineer will:

- Engage with a team comprising a full stack developer and UX developer on a daily basis to drive the continued development of the AthenaCX mobile clients.
- Work with the Principle investigator on incorporating new features including new AI-related features developed by the research team.
- Identify and populate in dialogue with Prof Ward revised roadmaps for the proposed service.
- Participate in additional training to attain competency in software engineering processes under regulatory constraints.
- Demonstrate a commitment to quality over expediency in software development.
- Engage regularly and effectively with customers working in regulated industry sectors.

### **Qualifications and Experience**

Essential Qualifications: Candidates must have a degree in an appropriate area or equivalent (NFQ Level 7), (typically an in Computer Science, Software Engineering or a related discipline) and four years' relevant experience.

In addition, it is desirable that the successful candidate should demonstrate strong proficiency in some of the following technologies:

- iOS (native) or Android (native)
- REST
- On-phone sensor data processing and management
- Power management

### **Mandatory Training**

The post holder will be required to undertake the following mandatory compliance training: Orientation, Health and Safety, Research Integrity and Intellectual Property and Data Protection training. Other training may need to be undertaken when required.

### **Additional Information**

The successful candidates will be offered opportunities for developing their own careers in a number of directions including support for conference/workshop travel, upskilling through Insight's continuous professional development in areas like research ethics and data privacy, student supervision and development and submission of their own research project proposals.