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| <b>Research Centre</b> | Insight Centre for Data Analytics   |
| <b>Post title</b>      | Full Stack Developer                |
| <b>Post duration</b>   | Fixed term contract up to 18 Months |

### **Background**

The Insight Centre for Data Analytics (<http://www.insight-centre.org>) is world class research center. A joint initiative between Dublin City University, NUI Galway, University College Cork, and, University College Dublin, as well as other partner institutions, it brings together a critical mass of more than 450 researchers from Ireland's leading ICT centers to develop a new generation of data analytics technologies in a number of key application areas.

The €88m Centre is funded by Science Foundation Ireland and a wide range of industry 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 70 partner companies, Insight researchers are solving critical challenges in the areas of Connected Health and the Discovery Economy.

### **The Opportunity**

Researchers at Insight have been developing new ways of empowering end users to collect analytics data on mobile devices. This has opened commercialization opportunities in a number of sectors particularly within health and self-management. We are seeking people with a start-up mindset to join our early-stage team developing a new software-as-a-service which can revolutionize how innovation takes places in health and associated fields. With output focused on our early-adopter clients there is a significant opportunity for people with the right interests, enthusiasm and engineering skills to become part of a new high growth company as the project develops.

### **Background & Role**

We are seeking a full stack developer to design and develop a web application for user-reconfigurable client profiles including data dashboards and features associated with large scale data management for regulated environments. Competency from front end to back-end is required for this stage of the project. More specific details can be discussed upon interview.

### **Responsibilities**

Reporting to the project lead the candidate will:

- Act as a technical architect and lead an agile engineering process within the project
- 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
- Identify and populate, in dialogue with the project lead, revised roadmaps for the proposed service.

## Skills

At this stage of the project the full stack developer has an opportunity to propose implementation details most appropriate to the user requirement specifications although the following is a strong indication of possible technologies:

- HTML5/CSS
- JavaScript (including frameworks such as AngularJS)
- HTTP/REST API interactions
- Backend development (preferably Python e.g. Django/Flask, Node.js)
- Database engineering (SQL, NoSQL, scaling)
- Cloud skills / deployments including dev-ops (Nginx, Puppet, Ansible)
- Excellent written and verbal communication and interpersonal skills.

## Minimum Criteria

The ideal candidate will have a BSc. in Computer Science, Software Engineering or a related discipline with strong software and programming skills and two years relevant experience in web application development with substantial backend integrations. Candidates should be able to present a portfolio of projects and demonstrate evidence of a willingness to lead projects.

**Informal enquiries to:** Professor Tomas Ward [tomas.ward@insight-centre.org](mailto:tomas.ward@insight-centre.org)

Please **do not** send applications to this email address, instead apply as described below :

**Closing Date:** 27<sup>th</sup> November 2018

**Salary:** €39,525.00 per annum

## **Application Procedure**

Application forms are available from the DCU Current Vacancies (open Competitions) website at <http://www.dcu.ie/vacancies/current.shtml> and also from the Human Resources Department, Dublin City University, Dublin 9. Tel: +353 (0) 1 7005149.

**Please clearly state the role that you are applying for in your application and email**

**subject line: Job Ref #1044 Full Stack Developer, Insight Centre for**

**Data Analytics**

Applications should be submitted by email to [hr.applications@dcu.ie](mailto:hr.applications@dcu.ie) or by Fax: +353 (0)1 7005500 or by post to the Human Resources Department, Dublin City University, Dublin 9. Human Resources Department, Dublin City University, Dublin 9. Tel: +353 1 700 5149; Fax: +353 1 700 5500 Email: [hr.applications@dcu.ie](mailto:hr.applications@dcu.ie)

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