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| Research Centre | Insight Centre for Data Analytics |
| Post Title | Software Developer |
| Post Duration | 6 months |

Background

The Insight 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), National University of Ireland, Maynooth (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.

The Project

We are seeking a Software developer to design and develop a web application for user-reconfigurable client profiles including data dashboards, real-time systems, 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.

Principle Duties and Responsibilities

- Reporting to his/her Principal Investigator the Software Developer will:
- Act as a technical architect and lead an agile engineering process within the project
- 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 Prof Ward, revised roadmaps for the proposed service

Minimum Criteria

The ideal candidate will have a degree in an appropriate area or equivalent (NFQ Level 8) plus 5 years' appropriate experience (6 for those with an NFQ Level 7 qualification). Typically, an honours BSc in Computer Science, Software Engineering or a related discipline with strong software and programming skills and relevant experience in web application development with substantial backend integrations is expected. Candidates should be able to present a portfolio of projects and demonstrate evidence of a willingness to lead projects.

Technical Skills

At this stage of the project the Software 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
- Cloud platform management (using AWS or MS Azure)

Skills

- Excellent written and verbal communication and interpersonal skills.
- Proven ability to prioritize workload and work to strict deadlines.
- Ability to work in a team and to take responsibility to contribute to the overall success of the team.
- Strong problem solving abilities.

Desirable Skills

- Ability to write light-weight code to run under strict memory/power constraints
- Knowledge of networks, and implementation of multi-tiered networks
- Proficiency in low level languages (C, C++)
- Mobile Application Development knowledge (iOS, Android, or both)

Additional Information

The post holder will be required to undertake the following mandatory compliance training: Orientation, Health & Safety and Data Protection (GDPR). Other training may need to be undertaken when required.

Salary Scale: € 57,431.00 per annum

Closing Date: Friday, 27th September 2019

The position is located at Dublin City University Glasnevin campus.

Application Procedure

Informal enquiries to:

Prof. Tomas Ward, Insight Centre for Data Analytics, Dublin City University

E-mail: tomas.ward@dcu.ie *Please do not send applications to this email address, instead apply as described below.*

Application forms are available from the DCU Current Vacancies (open Competitions) website at <https://www.dcu.ie/hr/vacancies/current.shtml> and also from the Human Resources Department, Dublin City University, Dublin 9. Tel: +353 (0) 1 700 5149.

Applications should be submitted by email to 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

Please clearly state the role that you are applying for in your application and email subject line: Job Ref #ST1272 Software Developer

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