



Applications are invited from suitably qualified candidates for the following position;

Senior Research Software Developer
Insight SFI Research Centre for Data Analytics
Fixed Term Contract up to 30th September 2021

Overview

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 and Role Profile

FinAccAI provides the complete digital process of extracting in real time financial data direct from offline and online accounting packages. Using our power BI and ML applications, Financial institutions are able to make quicker, more informed lending decisions using our rich data insights.

The Insight Centre is now recruiting for a Research Software Developer to join the FinAccAI team working on industry research & development projects funded by Enterprise Ireland through Commercialisation Fund Awards.

Principal Duties and Responsibilities

Please refer to the job description for a full list of duties and responsibilities associated with this role

Qualifications and Experience

Essential criteria: 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), plus 6 years' appropriate experience.

In addition, the successful candidate will ideally have:

- Experience in large scale object-oriented project implementations
- An understanding of statistical analysis and/or AI principles as applied in software development, e.g. clustering analysis and spectral clustering
- Backend development, server-side development including database layer (e.g. Python, Django/Flask, Node.js)
- Cloud skills / deployments including dev-ops (e.g. Nginx, Puppet, Ansible)
- Knowledge of architectural patterns for OO monolithic and distributed software architectures
- Microservice and/or Function as a Service implementation
- Excellent written and oral proficiency in English (essential).
- Excellent written and verbal communication and Social I 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.

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.

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.

Salary Scales: € 58,580 - € 93,238 per annum (Analyst Programmer III Salary Scale).

Appointment will commensurate with qualifications and experience, and will be made on the appropriate point on the salary scale, in line with current Government pay policy.

Closing Date: Tuesday 2nd February 2021

Informal enquiries should be directed to:

Dr. Andrew McCarren, Assistant Professor, School of Computing. SFI investigator, Insight@DCU

E-mail: andrew.mccarren@dcu.ie

Tel: 01 700 8456

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

Application Procedure

Application forms are available from the DCU Internal Vacancies website at <https://www.dcu.ie/hr/vacancies/current.shtml>.

Applications must be submitted by e-mail to hr.applications@dcu.ie

**Please clearly state the role that you are applying for in your application and email subject line:
Job Ref #RF1441A Senior Research Software Developer**

Dublin City University is an equal opportunities employer.

In line with the Employment Equality Acts 1998 – 2015, the University is committed to equality of treatment for all those who engage with its recruitment, selection and appointment processes.

The University's Athena SWAN Bronze Award signifies the University's commitment to promoting gender equality and addressing any gender pay gaps. Information on a range of university policies aimed at creating a supportive and flexible work environment are available in the DCU Policy Starter Packs.