Research Centre
Insight SFI Research Centre for Data Analytics

Post Title
Trainee Analyst Programmer I

Post Duration
Fixed Term Contract up to 5 Months

DCU
Dublin City University (DCU) is a leading innovative European University. It is proud to be one of the world’s leading Young Universities and is among the world’s top 2% globally. DCU is known as Ireland’s University of Impact, with a mission to ‘transform lives and societies’ and focuses on addressing global challenges in collaboration with key national and international partners and stakeholders.

DCU has over 20,000 students in five faculties spread across three academic campuses in the Glasnevin-Drumcondra area of North Dublin. Thanks to its innovative approach to teaching and learning, the University offers a ‘transformative student experience’ that helps to develop highly sought-after graduates. DCU is currently No. 1 in Ireland for Graduate Employment Rate, and for graduate income (CSO).

DCU is a research-intensive University and is home to a number of SFI-funded Research Centres. The University participates in a range of European and international research partnerships. DCU is also the leading Irish university in the area of technology transfer as reflected by licensing of intellectual property.

As a ‘People First’ institution, DCU is committed to Equality, Diversity and Inclusion - a University that helps staff and students to thrive. The University is a leader in terms of its work to increase access to education, and is placed in the world’s Top 10 for reducing inequalities in the Times Higher Education Impact Rankings.

The Insight SFI Research Centre for Data Analytics
The Insight SFI Research Centre for Data Analytics (http://www.Insight-centre.org) is a joint initiative between researchers at University College Dublin, NUI Galway, University College Cork, and Dublin City University, as well as other partner institutions. It brings together a critical mass of more than 400 researchers from Ireland's leading ICT centres to develop a new generation of data analytics technologies in a number of key application areas.

The €150m 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 220 partner companies, Insight researchers are solving critical challenges in the areas of Connected Health and the Discovery Economy.
The Project and Role Profile
The Insight Centre is now recruiting for a Trainee Analyst Programmer position to join the KOWROO team working on industry research & development projects funded by Enterprise Ireland through Commercialization Fund Awards.

Duties and Responsibilities: Principal Duties and Responsibilities
The duties and responsibilities of the position include but are not limited to:

• Acquire and deploy technical architecture in an agile engineering process within the project.
• Participate in additional training to attain competency in software engineering processes as necessitated.
• Demonstrate a commitment to quality over expediency in software development.
• Engage regularly and effectively with project partners.
• Identify and populate in dialogue with the Principal Investigator and revised roadmaps for the proposed system.
• Develop cutting-edge software based solutions to architectural and component transformation and modernisation, in strict accordance with Non-Disclosure Agreements (NDAs) as specified by project partners.

Qualifications, Skills and Experience Required
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).

Candidates will ideally have:

• Develop well-designed software that is clear, documented, tested and delivered continuously to production.
• Review requirements identified by the partners and project leads through customer workshops and communicated via the product backlog and participate in the clarification of features and estimates within the Scrum process. Ensure deviations from requirements are clearly documented and agreed with the project manager prior to completion.
• Take responsibility for the technical quality of the features delivered across the team, including documentation, testing strategies, and code.
• Identify and address product bugs, deficiencies, and performance bottlenecks.
• Remain up-to-date on emerging technologies and architecture and propose ways to use them in current and upcoming projects.
• Leverage technical knowledge to cut scope while maintaining or achieving the overall goals of the product.
• Leverage technical knowledge to improve the quality and efficiency of product applications and tools.

Technologies
• Relevant development experience with at least one popular programming language such as Java, Ruby, Python, Node.js/Javascript, Rust, Go, or C/C++, C#.
• Experience using existing libraries, frameworks, and RESTful APIs to create complex applications.
• Experience using code management and revision services such as Github.
• Familiarity with Test Driven Development, Continuous Integration and Continuous Delivery.
• Strong communication skills for documenting workflows, tools, or complex areas of a codebase.
• Understanding of basic statistical clustering techniques would be beneficial.
• Ability to thrive in a fast-paced environment and multi-task efficiently.
• Ability to work and collaborate in a team.
• Strong analytical and troubleshooting skills.

Essential 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.

*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](#)*