Research Software Developer
Analyst Programmer III
Insight SFI Research Centre for Data Analytics
Fixed Term Contract up to 12 Months

DCU
Dublin City University (www.dcu.ie) is a research intensive, globally engaged, dynamic institution which has developed its own research specialists, established internationally recognized centres of excellence that have substantive collaborative links with leading universities and industrial partners. DCU is distinguished both by the quality and impact of its graduates and by its focus on the translation of knowledge into societal and economic benefit. Through its mission to transform lives and societies through education, research and innovation DCU acts as an agent of social, cultural and economic progress. DCU is Ireland’s fastest growing university and now hosts more than 17,000 students across its three academic campuses: DCU Glasnevin Campus, DCU St Patrick’s Campus and CU All hallows campus. DCU has a strong track record in attracting both Irish and European Union research funding under Horizon 2020 (and all previous Framework Programmes), Marie Curie Actions and Erasmus. We offer a dynamic and internationally-focused environment in which to advance your academic career.

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.

Role Profile

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.
Duties and Responsibilities:
The duties and responsibilities of the position include:

- Take a lead role in managing a specific programme of research under the supervision of the Principal Investigator.
- Manage budgets and resources accordingly and liaise as necessary with the support units within DCU to achieve this.
- Lead the software development team for the duration of the project.
- Develop new approach in the integration of data from various accounting packages.
- Build infrastructure
- To maintain accurate project records and project confidentiality
- Make an international and national contribution to the research field in which he/she is engaged including as an invited speaker at an international conference and through invitation to participate in commercial research.
- Engage in appropriate training and development opportunities as required by the Principal Investigator, the School or Research Centre, or the University.
- Manage and conduct administrative and management tasks associated with your programme of research and the requirements of the funder.

Experience and 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), plus 6 years’ appropriate experience.

In addition, it is beneficial if the candidate has experience in the following areas:

- Large scale object-oriented project implementations
- 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 verbal communication and interpersonal skills

Mandatory Training

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