

Research Centre: IC4 – the Irish Centre for Cloud Computing and Commerce

Post title: Research Engineer in Cloud Computing

Post duration: 2-Years Full-Time Fixed Term Contract

Background

The Irish Centre for Cloud Computing and Commerce IC4 (<http://www.ic4.ie>) is an internationally recognised, industry-led, centre of excellence for innovation and applied research, focused on accelerating the development and adoption of cloud computing in Ireland.

IC4's mission is to develop a world-class creative environment within the Centre that will foster innovation and support the development of a team of highly innovative researchers, based at the collaborating universities. Led by its industry members, IC4 focuses its research efforts on both the development of breakthrough cloud technology applications as well as on evidence-based evaluation of their commercial value proposition.

Role

As part of IC4's engagement with its industry members, the candidate will work on research and development projects in the context of cloud architectures, interoperability and quality management.

The successful candidate will join a team of more than 20 IC4 researchers and developers in partner companies. Current projects include auto-scaling for cloud infrastructures, multi-cloud disaster recovery, and migration mechanisms.

The ideal candidate will apply expertise and knowledge to projects, finding innovative, cost-effective means to improve research, techniques, procedures, and/or products and technologies.

Principal Duties and Responsibilities

Reporting to his/her project coordinator, the Research Engineer's main duties will include:

- To design, implement and evaluate cloud platform and application solutions supporting the research projects – specifically to work with IaaS and PaaS cloud platforms and Java, .NET, php and python development languages and frameworks
- To manage common cloud platforms such as OpenStack, Amazon AWS or Azure.
- Developing, conducting, and evaluating new approaches to meet project objectives.
- To engage with and provide technology and platform support for other researchers and developers working on projects affiliated to the Centre's research programme
- To contribute to the development of the research and development design of projects.
- To contribute to the implementation and management of industry research and experimental development projects.

- To engage with industry members of IC4 through participation at seminars and workshops and through collaboration with industry member representatives on research projects.
- To contribute to the process of identifying the problems that industry could solve through research collaboration with academia, thus maximising the impact of the economic value for industry

Minimum Criteria

Applicants will have either a degree in Computing or a relevant discipline, with a minimum of 2-year's experience ideally in a research environment, with evidence of knowledge of the relevant technologies in software and cloud architecture (IaaS and PaaS platforms, Java, .NET, php, python).

The ideal candidate will have project and research experience in the area of software, service and cloud architecture or a related technology field. Experience in empirical methods would also be an advantage. The research engineer should have an in-depth understanding of software engineering and cloud technology in general, and have extensive expertise on quality management and/or interoperability in particular.

Candidates should have skills in the design, management and conduct of projects. Candidates will have a high level of interpersonal skills, team working skills, report writing, time management skills and ability to work to deadlines. Desirable attributes include experience in industry-led research.

Candidates will be assessed on the following competencies:

- Software Engineering skills – Demonstrates the ability to independently implement software in a structured, systematic way
- Communicating Research & Development – Demonstrates the ability to communicate applied research with their peers and the wider industry community (for example presenting results and publishing research) and the potential to train researchers
- Managing & Leadership skills - Demonstrates the potential to manage an applied, industry-facing research project

Salary scale: *€37,747 - €44,486 per annum

**Appointment will be commensurate with qualifications and experience.*

Closing date: Friday 30 October 2015

Informal enquiries to:

Dr. Claus Pahl, DCU School of Computing - Email: claus.pahl@dcu.ie, Tel: +353 (0)1 700 5620

Application Procedure

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

Please clearly state the role you are applying for in your application and email subject line:

Job Ref #203: Research Engineer IC4

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

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