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

**Post title:** Senior 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](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.

IC4 wishes to recruit a Senior Research Engineer on a fixed term contract basis to facilitate the management of targeted industry-led research projects. Working at the boundary of research and industry, the IC4 Centre’s research programme is an industry-focused programme where teams of researchers collaborate with industry partners to work on solutions to industry needs.

The Senior Research Engineer will ensure the successful delivery of multiple, concurrent targeted projects to schedule, cost, quality and to funding partners’ expectations. Successful Industry participation is key to the ability of the centre to deliver economic and commercial impact, and to its future sustainability.

**Principle Duties and Responsibilities**

Reporting to the Principal Investigator for the Architecture theme, the Senior Research Engineer will coordinate relationships with Industry Partners and address their business challenges through the identification, application and implementation of IC4 research expertise and through effective project management.

- Work closely with the industry partners and researchers to understand industry requirements and priorities and ensure these are aligned with the research teams’ activities
- Define and implement a project plan - this includes: project scope definition, work break-down, resource planning, schedule development, budgeting and reporting requirements
- Evaluate the performance of the project, resolve issues or escalate as required
- Manage a set of projects and contribute to their implementation as required
- Design and implement cloud-based software system architectures (multi-cloud, multi-tier)
• Architect and evaluate cloud migration and deployment projects, specifically based on major commercial and open-source IaaS and PaaS solutions (Azure, Openstack)
• Contribute to the implementation and ensure that all project outputs (based on research objectives) are delivered to the agreed appropriate levels of quality, on time and within budget.
• Ensure project deliverables are delivered in accordance with the project plan and coherent with the project and overall research objectives.
• Provide project progression and status reports on projects to stakeholders and project team members.
• Ensure intellectual property assets are managed appropriately – ensuring industry partner confidentiality as needed.

Qualifications
Candidates appointed to this post must have a minimum of a Master’s degree in Computer Science, Computer Engineering or a related discipline. The successful candidates must have a minimum of 5-year’s development and project management experience in a software development or telecoms environment, or with industry focussed research projects. Experience in cloud project management is essential.

Knowledge and Experience
• Extensive experience of software development, and cloud migration and deployment, in particular in the context of major commercial and open-source IaaS and PaaS solutions.
• Understanding the security and networking aspects of cloud systems is of major importance.
• Excellent computing skills with experience of project management.
• Experience of implementing an entire project lifecycle in innovation and research settings.
• Experience in supporting distributed teams.
• Excellent written and oral proficiency in English (essential), excellent communication and interpersonal skills both written and verbal.
• Familiarity with the scientific evaluation and publication process.
• Experience with designing and mobilizing the project management process.
• Strong customer facing skills.
• Ability to problem solve, to brainstorm and to generate innovative ideas and solutions.
• Excellent organisational, communication and conflict resolution skills.
• Proven ability to prioritise workload and work to exacting deadlines.

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 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:  *€44,488 - €53,612 per annum
*Salary will be commensurate with qualifications and experience

Closing date:  02 November 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 #205: Senior 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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