



Candidate Brief for the position of:

# Software Engineer, Digital Media Centre

(Fixed Purpose up to 5 years)

Dublin Institute of Technology

Reference (NA/530/13)



Ireland's EU Structural Funds  
Programmes 2007 - 2013

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and the European Union



European Regional  
Development Fund



An Roinn Post, Fiontar agus Nuálaíochta  
Department of Jobs, Enterprise and Innovation

**HEA**

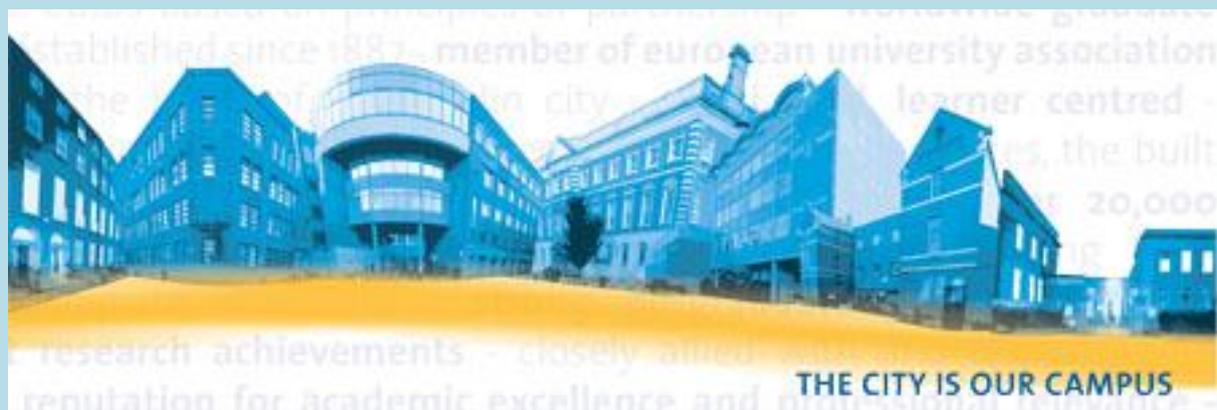
Higher Education Authority  
An tÚdarás um Ard-Oideachas

# Dublin Institute of Technology

## DIT at a glance

- A history in Dublin city, dating back to 1887
- Dublin Institute of Technology was formed in 1978 and established under legislation in 1992
- Currently 19,000 students – from apprentice to PhD – in 2012
- 20% of student population come from outside Ireland
- 15% of DIT students are mature learners
- Students registered on programmes in four Colleges – Arts and Tourism; Business; Engineering and Built Environment; Sciences and Health
- Educating 9% of all higher education students in Ireland
- One of four degree-awarding bodies in Ireland
- Circa 2,500 staff members of academic, administrative and support staff
- 800 students and academic staff actively engaged in research
- Ranked in the top 3% of universities internationally by THES and QS
- 4000+ graduates each year
- Active in civic and industry engagement
- Annual budget circa €185m

For further detail, please see our DIT profile.



## **Dublin Institute of Technology**

DIT is committed to responding to the challenges and opportunities that have emerged in Irish higher education, engaging positively in institutional collaboration both nationally and internationally, and in developing a strategy of widening participation and community engagement. We are now preparing for the next phase of our development with the relocation of all DIT activities to an integrated, state-of-the-art campus in Dublin's city centre, and to the development of the Technological University of Dublin.

## **College of Arts & Tourism**

The College of Arts & Tourism at DIT nurtures innovation and creativity across and between its seven Schools and academic disciplines. The College is committed to the development of knowledge which benefits society. The College provides a range of unique and innovative programmes (usually first in their field) in a modular format including higher certificate, degree, master degree and postgraduate research.

## **Digital Media Centre**

The Digital Media Centre (DMC) is a multidisciplinary group which focuses on research and commercial projects in the field of Information and Communication Technologies (ICT). The DMC is based in Dublin Institute of Technology (DIT), Aungier Street and is part of the College of Arts and Tourism.

The DMC's current focus is on projects in the following areas; culture and heritage, language learning, multimedia interaction, spatially aware computing, digital heritage and machine learning. The Centre places itself at the cutting-edge of innovation technologies and constantly strives to improve whilst focusing on emerging technologies.

The DMC positions itself as a problem-solver in the field of ICT to the private and public sector, offering consultancy, expertise and innovation.

DMC research is carried out by a combination of academic staff, research professionals and postgraduate students, and is funded from a variety of sources including the European Union, national agencies such as Enterprise Ireland and Science Foundation Ireland and internally in the DIT.

The DMC Studio looks after the commercial aspects of projects. This includes assisting on research projects with specific commercial requirements or identifying suitable businesses that may require support with ICT projects. The Studio will work with a client on identifying their objectives and the technical requirements necessary to meet these, and can also assist with funding, if required. The Studio boasts a talented pool of resources including designers, developers, project managers and modelers, all with expert knowledge in ICT as it applies to the DMC's aforementioned specialist areas.

# Job Description

## • Role Overview

The Digital Media Centre is seeking a Software Engineer to carry out software development in the Digital Cultural Heritage research programme.

This post requires software development in the Digital Repository of Ireland project. The role is that of a specialised front-end developer with specific skills in Ruby/PHP/Javascript development.

The job involves undertaking primarily front-end (User Interface) development in collaboration with other DRI team members in DIT and the other partner institutions. The principle technical development work in DRI is carried out by DIT, Trinity College Dublin and NUI Maynooth.

## • Principal Accountabilities

The key responsibilities of the job include:

1. Translating visual designs and user interaction specifications into HTML markup.
2. Ensuring that designs are cleanly implemented in the DRI application Views.
3. Maintaining clear code and user documentation as necessary.
4. Participating in and contributing to team meetings at local and project-wide level.
5. Making contribution to published reports and papers under the supervision of the Principle Investigator.

# Person Specification

*The ideal candidate will demonstrate the appropriate mix of knowledge, experience, skills, talent and abilities as outlined below:*

## **Knowledge**

- A Primary Degree or equivalent award by an approved degree-awarding authority (*essential*)
- A Masters qualification with business relevance

*[Note: Masters Degrees must have been obtained by thesis/examination]*

## **Experience**

- 2+ years of demonstrable experience in developing web UI applications.
- 1+ years of demonstrable experience in Ruby on Rails views development.
- Experience in undertaking research and in working on large projects
- Experience in administrative duties, minute taking and meeting organisation

## **Skills, talents & abilities**

- Solid grasp of cross-browser, object-oriented JavaScript (closures, inheritance, etc)
- Experience in developing AJAX-enabled web applications
- Knowledge of, and a preference for, JavaScript frameworks such as jQuery
- Experience in an open source / collaborative project (examples: committing code, writing plugins, writing documentation, involvement in user forums).

- Effective written and verbal communication skills with ability to present complex information effectively to a range of audiences
- Ability to work collaboratively and as part of a team

## Eligibility to compete

### *Citizenship / Permit Requirement:*

Eligibility to compete is open to candidates who are citizens of the European Economic Area (EEA) or Switzerland. The EEA comprises member states of the European Union along with Iceland, Liechtenstein and Norway. Other candidates may be eligible to compete subject to their having or obtaining an appropriate work permit for the nature and duration of the position.

### *Former Public Service employees:*

Eligibility to compete may be affected where applicants were formerly employed by the Irish Public Service and previously availed of an Irish Public Service Scheme including:

- Incentivised Scheme for Early Retirement (ISER)
- Department of Health and Children Circular (7/2010)
- Collective Agreement: Redundancy Payments to Public Servants

Applicants should ensure that they are not precluded from re-engagement in the Irish Public Service under the terms of such Schemes. This is a non-exhaustive list and any queries should be directed to an applicant's former Irish Public Service Employer in the first instance.

## Terms and Conditions of Employment

A full statement of terms and conditions of employment will be given to the successful applicant in accordance with Terms of Employment (Information) Acts 1994 and 2001. The main terms and conditions of employment are as follows:

### **Tenure:**

This post is offered on a fixed purpose basis for up to five years from the date of appointment.

### **Salary:**

This post will be aligned to the Research Administrator Grade C Salary Scale for pay purposes only. Starting salary will be at the minimum of the scale i.e. €45,781. The scale runs from €45,781- €55,210 (5 point scale + 2 LSIs).

***Hours of work:***

39 hours working week is operation. Hours may be adjusted from time to time under sectoral agreements.

***Probation:***

The terms of the Institute's Staff Induction and Probation Policy will apply.

***Annual leave:***

Annual Leave is 20 days per annum (Full time equivalent). Part time Employees and Employees who commence employment during the leave year will be entitled to a pro-rata annual leave entitlement. Annual leave to be taken within the duration of the contract and as agreed between the Project Director and the individual.

***Retirement:***

The post is not pensionable. The appointee will not be entitled to join the Education Sector Superannuation Scheme however the Institute has a PRSA in place. A PRSA is a straightforward pension product that was introduced in 2003 by the Pensions (Amendment) Act 2002. It is a contract between an individual and the authorised PRSA provider in the form of an investment account that can be used to save for retirement.

Applicants should note that they will be required to complete a Pre-Employment Declaration to confirm whether or not they have previously availed of an Irish Public Service Scheme of incentivised early retirement or enhanced redundancy payment. Applicants will also be required to declare any entitlements to a Public Service pension benefit (in payment or preserved) from any other Irish Public Service employment.

***Sick Leave:***

Up to 7 single days' per two years uncertified sick leave plus a maximum of 14 days certified sick leave per annum pro rata may be granted. Pro rata sick leave entitlements will apply to part time contract and contracts of less than one year's duration. Payments in respect of sick leave will be adjusted by reference to any disability benefit received from the Department of Social Protection.

***Other conditions:******Nature of the post:***

The post is wholetime and fixed purpose and subject to the terms of the provisions of the Dublin Institute of Technology Acts 1992 to 2006 and any subsequent Acts replacing or amending these Acts and any orders and regulations made under these Acts will apply.

# Application Process

## *Application Form*

Applications will be accepted through the online application service at [www.dit.ie/vacancies](http://www.dit.ie/vacancies) . A CV will be required in addition to the application form. All correspondence from the Institute regarding your application will be by email. Please ensure that the security filters on your email provider will accept emails from DIT.

## *Closing Date*

The closing date for applications is **5 pm on Wednesday, 16<sup>th</sup> January 2014**. Late applications will not be accepted.

## *Contact information*

For further information about this post please contact: Eoin Kilfeather at [eoin.kilfeather@dmc.dit.ie](mailto:eoin.kilfeather@dmc.dit.ie)

For queries regarding the application process, please contact Magdalena Machelak at telephone 01 402 3334 between 9.30 and 5.00pm, Monday to Friday or email [hr@dit.ie](mailto:hr@dit.ie).

## *Further Information for Candidates*

- Canvassing will automatically disqualify.
- Late applications will not be accepted.
- You are also advised that you can only submit one application per competition. Should you have any issues with your submission, please contact us.
- Candidates will be shortlisted based on the information contained in the application.
- It is Institute policy to seek written references from your referees, one of whom must be your current or most recent employer. Candidates are advised to please ensure the nominated referees are aware of this requirement.
- DIT is an equal opportunities employer.
- DIT operates a policy of Garda Vetting & Disclosure of Criminal Convictions. All applicants will be asked to disclose criminal convictions and may have to undergo Garda Vetting as part of the selection process.
- Persons appointed for the first time to a wholetime position within the Institute will be required to furnish:
  - a satisfactory Health Certificate from a medical practitioner nominated by the Institute;
  - as evidence of age, a certified extract from a Public Register of Birth;

*DIT acknowledges the support of the European Regional Development Fund in supporting research and research training initiatives.*