Background & Role

CNGL is a €40M Academia-Industry partnership that involves researchers at Dublin City University (DCU), Trinity College Dublin (TCD), University College Dublin (UCD), University of Limerick (UL), as well as ten industrial partners, including Microsoft, Symantec, IBM, SDL and Welocalize. CNGL comprises over 150 researchers across the various institutions developing novel technologies addressing key challenges in the global digital content and services supply chain. In addition to central funding from Science Foundation Ireland (SFI) CNGL is involved in a number of European FP7 projects and commercial projects in the area of language technology. CNGL provides a world class collaborative research and development infrastructure, including excellent computing facilities, administrative support and management.

We are now setting up a new Design & Innovation team in Dublin, Ireland, and we are recruiting for a select number of developers. We are seeking to recruit a Senior Software Engineer with strong computer engineering and design skills, who can co-lead and work on a number of cutting-edge research and commercial development projects.

This position provides an excellent opportunity for a strong and creative developer to further develop their career and to join a highly-regarded, dynamic, well-funded and continually growing research lab. The postholder will help work within a core (agile) development team and will work closely within a team of researchers and with other partners to deliver commercially-viable software solutions and applications built upon existing research software.

Principle Duties and Responsibilities

The post-holders will be responsible for the following:

- Work with CNGL’s researchers and team leaders in helping to lead the development of commercially-viable software based upon existing research systems in the area of Language and Content Technology.
- Optimization of code for speed and memory, debugging, and general code maintenance including the implementation and management of version control systems (e.g. SVN).
Implementation and use of well-established design patterns and software engineering best practices when developing software and supporting scripts.

- Specification, design and implementation of web-services and related APIs to connect various components within research systems in addition to developing upon existing APIs.
- Specification, design and implementation of various front-end systems and user interfaces, including user-facing tools for the control and administration of the machine translation process included for training.
- Carry out and develop unit testing of individual software components to ensure functionality and robustness of software applications.

Experience and Skills Desired

A primary degree in Computer Science or Software Engineering is required. An MSc or commercial experience in Natural Language Processing, Machine Translation, Artificial Intelligence, Machine Learning, etc. although not required, would be very advantageous.

Applicants must possess excellent software development skills and ideally will have a graduate degree and/or have demonstrated 10+ years commercial experience in software development and/or software engineering. Of that 10+ years the applicant will ideally have spent at least 5 years’ experience in building/designing front-end applications and user interfaces and story maps.

Any expertise in areas such as Language Technology, Computational Linguistics, Machine Learning, Statistical Modelling or Machine Translation, although not required, would also present a distinct advantage.

Specific skills or experiences of relevance include:

- Excellent knowledge of one or more of: Java, C++, PHP
- Strong/Excellent knowledge of scripting languages: Python, Bash, Perl etc. is of benefit
- Excellent algorithmic and analytical skills
- Experience in developing or leading the development of commercial applications and/or rapid-prototypes in a lean/agile environment
- Strong knowledge of cloud/grid computing and experience working with Amazon EC2, Windows Azure or Google App Engine would be a distinct advantage.
- Experience in the design of scalable web services
- Experience in user-interface and/or front-end design and related technologies, e.g. PHP, MySQL, JQuery, CSS, JSP, Python, ASP.net, AJAX, Ruby etc.
- Knowledge of metadata standards and XML-based languages eg. XML, TMX, XLIFF etc.

Ultimately, we are seeking candidates who can carry out focused commercially-driven development projects to set timelines, have excellent leadership, communication and team-working skills, can work on their own initiative and are creative in their approach.
Salary: €45,000 - €60,000

Subject to experience and qualifications

Closing date: 27th April 2012

Application Procedure

For informal enquiries please contact:

Associate Director

Dr. Páraic Sheridan, CNGL, DCU
Phone: 353 (0)1 7006707
E-mail: psheridan@computing.dcu.ie

Web: http://www.cngl.ie

Application forms are available at:

www.dcu.ie/vacancies/APPLICATION_FORM_6pg.doc and from the Human Resources Department, Dublin City University, Dublin 9. Tel: +353 (0)1 700 5149; Fax: +353 (0)1 700 5500; Email: hr.applications@dcu.ie

Email your completed application form, together with your CV, to: hr.applications@dcu.ie

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