

Two Posts	Senior Research Software Developer / Research Software Developer
Post Status	12 month contract
Department	Centre for Next Generation Localisation Laboratories, School of Computer Science and Statistics
Salary:	Senior Research Software Developer: €42,384-€56,442 Research Software Developer: €31,993- €41,181
Closing date for applications:	25 <sup>th</sup> January 2013

## Summary

We wish to recruit two Research Software Developers on a fixed term contract basis with primary responsibility for designing, implementing and deploying Java software solutions that integrate cutting edge language technology such as Machine Translation with Computer Aided Translation tools. This development work will be conducted as part of a world-class research team at the Centre for Next Generation Localisation labs at Trinity College Dublin. This team is conducting disruptive research and innovation work with data-driven language technology and web application interoperability targeted at the language services industry.

## Role & Responsibilities

Reporting to the principal investigator, the post-holder will collaborate closely with an experienced Java developer and translator on the technical implementation and industrial field testing of an innovative software platform to improve translation productivity and consistency on the basis of an open-source standalone CAT tool and server-side natural language processing components. We are looking for a pragmatic software engineer with several years of Java development experience and entrepreneurial aspirations or experience to share in our vision of the future of computer aided translation. A primary degree in Computer Science or Software Engineering is required for this position.

The successful candidates will provide software development skills, Java application programming, unit testing and functional and non-functional requirements gathering for internal development tasks required to support the commercialisation of research in CNGL.

The successful candidates will work closely with academics and key research staff to deliver systems in support of the group's research activities in a novel instrumented computer Aided Translation application. These roles will be part of the a SFI-funded Technology Innovation Development Feasibility Study conducted at the Centre for Next Generation Localisation (CNGL) Laboratories at the School of Computer Science and Statistics at Trinity College Dublin. (<http://www.cngl.ie>).

Key elements of the role include:

- Analysis of application design issues and problem solving
- Java programming
- Coordinating and communicating with academic and industrial stakeholders
- Carrying out other tasks as required

### **Requirements:**

- Minimum of two years Java software development experience for the Research Software Developer, five years for the Senior Research Software Developer post
- Honours degree in Computer Science, Computer Engineering or similar, technical discipline.
- Excellent verbal communication and interpersonal skills.
- Proven aptitude for Programming, System Analysis and Design.
- Proven ability to prioritise own workload and work to exacting deadlines.
- Flexible and adaptable in their approach to stakeholder needs.
- Experience in releasing code to live production environments.
- Excellent code optimization and software design principles as well as excellent analytical skills.
- Strong team player who is able to take responsibility to contribute to the overall success of the team.
- Enthusiastic and structured approach to development.
- Excellent problem solving abilities.
- Proven ability to conform to development/web standards.
- Work well in both a team environment and independently.

### **Nice-to-Have's**

- Messaging interfaces (JMS) or server-side development frameworks (e.g. Liferay or JSF)
- Some application development experience with SWING or SWT

- Experience in user interface design and conducting usability trials
- NLP experience is not required but experience with languages (e.g. a foreign language), language services (e.g. localization experience), language technology or text processing would be an advantage.
- Desire to learn about new products, technologies and keep abreast of new products and technical developments.

**Please Note:** No expenses will be paid in travelling to interview.

### **Centre for Next Generation Localisation**

CNGL is a €50M Academia-Industry partnership based in Ireland. It is unique internationally in researching and developing novel web-based, knowledge-based and language technologies for the global multi-lingual web content and services supply chain. It is made up of over 100 researchers in labs integrated across Trinity College Dublin (TCD), Dublin City University (DCU), University College Dublin (UCD), University of Limerick (UL), as well as ten industrial partners, including SME, NGOs and multinationals such as Microsoft, Symantec, Intel and Welocalize. 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, multi-lingual web and adaptive, personalised content. CNGL provides a world class collaborative research and innovation environment, including excellent computing facilities, administration, management and fully integrated and dedicated on-site commercialisation support.

### **Department Summary**

The School of Computer Science and Statistics at Trinity College Dublin offers a high quality educational experience to undergraduate and postgraduate students along with exceptional research opportunities for professionals in the fields of computer science and statistics. The school is proud of its reputation as an innovative and energetic centre for study and research.

The research interests of the School are wide and varied, ranging from the theoretical to the practical. The schools researchers are at the cutting-edge of their disciplines, working on prestigious research projects with other professionals in their fields, and with access to significant public and private funding and industry support.

### **Trinity College Dublin**

Founded in 1592, Trinity College Dublin is the oldest university in Ireland and one of the older universities of Western Europe. On today's campus, state-of-the-art libraries, laboratories and IT facilities, stand alongside historic buildings on a city-centre 47-acre campus. TCD's research impact is currently ranked 44th in the World by the Times Higher Education Ranking of World Universities and 10th in Europe by the Leiden University Ranking of World Universities based on research performance. As Ireland's premier university, the pursuit of excellence through research and scholarship is at the heart of a Trinity education. TCD has an outstanding record

of publications in high-impact journals, and a track record in winning research funding which is among the best in the country.

### **The Selection Process in Trinity**

- The Selection Committee (Interview Panel) will include members of the Academic community
- Applications will be acknowledged by email. If you do not have confirmation of receipt within 1 day of submitting your application online, please get in touch with us immediately and prior to the closing date/time.
- Given the degree of co-ordination and planning to have a Selection Committee available on the specified date, the College regrets that it may not be in a position to offer alternate selection dates. Where candidates are unavailable, reserves may be drawn from a shortlist.
- Outcomes of interviews are notified **no later than 5 working days** following the selection day.
- In some instances the Selection Committee **may** avail of telephone or video conferencing.
- The College's selection methods may consist of any or all of the following:
  - Interviews
  - Presentations
  - Psychometric Testing
  - References

### **Equal Opportunities Policy**

Trinity College Dublin is an equal opportunities employer and is committed to the employment policies, procedures and practices which do not discriminate on grounds such as gender, marital status, family status, age, disability, race, religious belief, sexual orientation or membership of the travelling community.

### **Application Procedure**

Candidates are asked to submit a covering letter and a full CV to include the names and contact details of 3 referees (email addresses if possible) to:

Mr John Moran via Email: [moranj3@cs.tcd.ie](mailto:moranj3@cs.tcd.ie)

If you have any further queries please see the contact Mr John Moran via Tel: +353-83-4000446 or Email: [moranj3@cs.tcd.ie](mailto:moranj3@cs.tcd.ie) or Dr David Lewis via [dave.lewis@cs.tcd.ie](mailto:dave.lewis@cs.tcd.ie)