Job Posting

ALES is a United Technology (UTC www.utc.com) company with offices in Rome and Trento, Italy, specialized in model based technologies and methodologies for the design and verification of distributed safety critical embedded systems. ALES' competences cross several application domains, such as avionics, refrigeration and building automation, and several disciplines, such as formal and run-time methods for verification of hybrid and discrete systems, requirement and safety analysis and design flow integrations. ALES provides services and innovation to an international network of UTC customers and offers a collaborative and stimulating working environment for candidates looking for a challenging and valid career.

Application:

Applicant should send the information to the following contact:

Contact information: donatella.santillo@ales.eu.com

Application should add to their CV the following consensus statement to allow ALES to treat the information in compliancy with the Italian privacy law:

Autorizzo ALES S.r.l. al trattamento dei dati personali, ivi compresi quelli sensibili, ai sensi del D.Lgs 196/2003 e successive modifiche, per le finalità di cui al presente avviso di candidatura.

I authorize ALES S.r.l. to the processing of personal data, including sensitive ones, pursuant to Legislative Decree 196/2003, as amended, for the purposes set out in this notice of candidacy.

Software Engineer for Model-Driven Architecture Applications

Job Responsibilities

ALES s.r.l. invites qualified individuals to apply for a Software Engineer position on for applications related to the design and analysis of embedded systems and networks.

The successful candidate will provide technical expertise in the area of software application development and software architecture design. The candidate shall be part of a team that handles the end-to-end application lifecycle; from requirements elicitation, down to the testing and application release.

Education

The minimal education requirement is a BSc degree on Computer Science or Computer Engineer whereas an MSc degree on the domain is welcome.

Experience/Qualifications

The candidate shall be able to contribute on the architectural design of application components and shall be able to lead corresponding development.

Software development is done mainly in Java using Eclipse and there is extensive use of the Eclipse Modeling Framework (EMF) ecosystem. OMG's Model-Driven Architecture paradigm is used to drive the main architectural decisions, therefore familiarity and experience will be appreciated (M2M, M2T, T2M). A good understanding of UML is necessary as it is used for requirements elicitation and software architecture refinement.

The candidate shall have good understanding and possible experience on product quality assurance techniques, including unit and system testing as well as continuous integration.

Experience on any of the following technologies will be appreciated:
- QVT
- Java based GUI building (Eclipse and Java graphical libraries)
- C/C++
- System C
- DBMS
- Python
- Matlab and Simulink
- RTC
- Jenkins
- Techniques of software code analysis

The candidate shall have a high degree of autonomy and shall be able to integrate in a distributed and international team of developers; therefore being fluent in English is important.

ALES being part of UTC provides great opportunities for a professional career growth and guarantees working on exciting, critical and therefore highly motivating projects.