

Software engineer / Business Analyst

About RedStork Solutions



Redstork solutions is a Serbian subsidiary of RTE international dedicated to the innovation for participants in the electricity sector in Southeast Europe. Redstork solutions offer expertise and competencies to electricity transmission system operators and regional coordinators to enhance their coordination and adapt their network to the challenges of energy transition.

About our activities

As a small structure in start-up mode, RedStork solutions offers an open and collaborative working environment, with very progressive positions for high-potential candidates. You will be part of the development team for our business-oriented solutions for TSOs, as close as possible to customer needs, in collaboration with the heads of service lines and business managers.

Activities:

In the context of the energy transition, the profound changes in the power system (generation, transmission, distribution), as well as the strengthening of coordination at the European level with the emergence of Regional Coordination Centres (RCCs), network study tools must be adapted and be able to evolve in a more agile way. We are proposing software solutions that will help TSOs and RSCs to meet these challenges.

Our tools especially support:

- network modelling and interfacing with standard data exchange formats (e.g. CGMES)
- calculations for the analysis of the security of the electrical network,
- capacity calculations at interconnections,
- management of the supply-demand balance,
- synthesis of information and presentation of results for rapid decision-making by operators

Missions:

As part of our development team, you will collaborate with our engineers and experts, and you will:

- Ensure that the application is fit for purpose:
 - o Make sure to understand and translate the business needs associated with the required evolutions and to identify their relevance, work on their good implementations in connection with the other developers of the team and their deployments (design, development, integration, testing);
 - o Ensure that the overall coherence of the tool is maintained and that the evolutions are part of a long-term sustainable vision to allow a rapid evolution of the tools in a context of ecological transition and massive insertion of renewables in the electrical system.
- Participate to the development of the application and its maintenance:
 - o Participate to the development of new functional modules in an ecosystem of network study tools for the needs of TSOs and RSCs

- Deliver the needed features with quality software and using the latest framework for continuous delivery
- Work on the capitalization and the constitution of an application heritage (factorization, identification of common, associated documentation)
- Be involved in the follow up of the application in its operational use
- Get involved in a highly technological project, in the field of energy transition, based on the latest IT frameworks:
 - You will work in a dynamic environment, with a high level of technicity on the business end and using the latest technologies on the development end
 - Work in close collaboration with the world of Open Source as a user and a contributor
- Participate to the software solutions team activity:
 - Support the sales teams in the construction, negotiation, and sale of commercial offers in its field of activity,
 - Feedback from the cases he has contributed to,
 - carry out various missions necessary for the proper functioning of the company and support with the whole company the current growth in all fields

Profile:

- Fluent English
- Master's Degree in Electrotechnics with IT development knowledge or master's degree in Computer Science with a background in electrotechnics / experience in utility company
- Experience in Software Development: 1 to 5 years
- Competences in Java languages and experience Full-Stack Microservices
 - Frontend: Angular 8
 - Backend: Spring Boot 2, Java 8
 - Kubernetes, oauth2, Kafka, git, docker, Linux.
- C++ knowledge is a plus
- Python knowledge is a plus
- Knowledge on network modelling and specifically data exchange and network modelling using the CGMES format is a plus (including network calculation, state optimisation, etc.)

This position requires a great capacity for analysis, autonomy, initiative, rigour, curiosity of mind, a taste for innovation, an interest in the field of the electrical system and for teamwork.

Terms and conditions of employment

- Full-time contract
- Attractive package comprising 20 + 8 days of holidays, company phone, etc.
- Integrate a project team of 12 people,
- Occasional trips to be planned in France, in the European Union and then internationally,
- Possibility of teleworking up to 50%
- Office location in Belgrade, Serbia