
Software Engineer / Full stack developer

Barcelona, June 14th, 2022

The Company

STALICLA is an international and fast-growing biopharmaceutical company on a mission to build a new therapeutic space for patients with disorders of the developing brain. As the company is rapidly scaling, STALICLA is looking to recruit a seasoned and agile Software engineer / Full stack developer to support the next stages of the company's development.

Position

Title: Software engineer / Full stack developer

Location: World Trade Center, Barcelona

Duration: Permanent

Salary: Competitive - depending on experience and profile

Candidates living in Barcelona or EU and able to relocate rapidly will be favored.

The role

The software engineer / full stack developer will work closely with the other members of the STALICLA Discovery and Data Science (DDS) unit and contribute to the design, implementation and maintenance of the data warehouses and web-based analysis platforms. The platforms provide easy-to-use interfaces to the clinical and genetic data underlying computational models as well as to the clinically actionable information across individuals obtained using systems biology, machine learning & statistical modeling to accelerate drug development for patients with neurodevelopmental disorders (NDDs). The candidate will be part of a team that builds and optimizes STALICLA DDS's web-based analysis platforms integrating computational pipelines that summarize and visualize large scale interconnected biomedical and clinical data. S/he will also contribute to the strategical planning and development of the deployment of existing web-based platforms and computational pipelines on the cloud to enhance scalability, as well as data security.

Overall, the candidate will play a key role in contributing to the development of clinically highly relevant, scalable and reliable software platforms towards the characterization of "targetable" molecular, genetic and clinical features in autism spectrum disorder (ASD) and other NDDs. S/he will participate in the integration of biomedical data analysis pipelines within the context of ongoing computational systems biology projects such as clustering patients with ASD and comorbid neurodevelopmental disorders and automation of in-house next-generation sequencing and clinical data mining pipelines on the cloud. Candidates with previous experience on building RESTful APIs & web-based frameworks, CI/CD pipelines, mining of clinical annotations and biomedical scientific text, workflow development, and cloud computing, or who are open to learning these skills, are preferred. The ideal candidate

will have a bachelor's degree in Computer Science, Computer Engineering, Information Technology, or a related field (or equivalent – through a combination of education and work experience).

Work environment

The STALICLA DDS office at the World Trade Center is located by the sea, overlooking the port of Barcelona and it has easy access to the public transportation. Perks at the office include free coffee, tea, and fresh fruits.

Desired skills & software

Must have

- Proficient coding in **JS**, Python and/or Java
- Web programming and RESTful APIs (such as **Node**, Django or similar)
- Front-end development (**Angular**, React or equivalent)
- Database management using SQL or NoSQL (such as **PostgresSQL**, MySQL, MongoDB or equivalent)
- **Linux**, **Git**(Lab), **Docker**
- Experience in **RxJS** and other Observer/Observable programming patterns
- Demonstrable knowledge of **OOP**, **CI/CD**, TDD as well as clean coding skills

Nice to have

- Shell scripting, R, Makefile, Nextflow, Kubernetes, Jenkins, Travis
- Cloud computing (AWS preferred) and big data analytics (Hadoop / Spark)
- IT management / user administration
- Experience with machine learning, text mining and NLP

In addition, the candidates are expected to have:

- Strong interpersonal, communication, presentation, reporting skills
- Good verbal and written communication skills in English
- A high comfort level working in a high paced start-up environment, where a pragmatic, resourceful, well organized, and effective approach is required with limited resources
- A passionate, energetic, and enthusiastic personality that will ensure commitment to the company and its vision

More about STALICLA...

Ready to join a science-driven, international, multidisciplinary, passionate, hard-working, and meritocratic environment? STALICLA is suited for individuals with a strong interest in the Precision Medicine and Neurodevelopmental Disorders field, as well as the ability to go above and beyond to make things happen!

As part of its Corporate Social Responsibility policy, STALICLA promotes diversity, inclusion, and equal opportunity. Female, minority, and candidates with disabilities are strongly encouraged to apply.

Please submit your application (CV and cover letter) to: hr@stalicla.com