

# Full Stack Developer for Computational Chemistry Platform

## Full-time

Nextmol is a spin-off company of the Barcelona Supercomputing Center. It develops a Software-as-a-Service platform that provides molecular modeling and artificial intelligence tools to accelerate the design of better and greener chemicals.

We are looking for a full stack developer with experience in web technologies to help us to bring the platform to the next level.

## Requirements

- Minimum 5 years of demonstrable web platform development experience.
- Experience with Python. Strong knowledge of FastAPI framework and security libraries such as OAuthLib or PyJWT.
- Experience with JS (ES6), Typescript, HTML 5, and CSS languages, especially with React, Tailwind and Bootstrap frameworks / libraries. Meteor framework is a plus.
- Experience in relational and non-relational database design, optimization, and querying techniques.
- Experience designing and implementing secure RESTful API services and clients, as well as knowledge of security best practices in backend development.
- Familiarity with asynchronous communication using Kafka and/or SQS.
- Experience in good QA practices and test-first approach (TDD/BDD), using testing tools such as Jest, Pytest and Cucumber for unit test, integration test and e2e test.
- Good understanding of software development best practices: clean code, KISS and SOLID principles, security by design.
- Experience with Linux operating system, Git and Git Flow.
- Experience with Jira for issue tracking, and Scrum/Kanban Agile methodologies.
- Experience in teamwork collaborating within cross-functional teams. Can-do attitude and entrepreneurial mindset with excellent communication skills.
- Nice to have experience with Docker, Kubernetes, and CI/CD automation.
- Nice to have Experience with AWS services relevant to backend development, such as EC2, Lambda, S3, SQS and/or MSK.
- Nice to have experience with HPC technologies such as Slurm, AWS ParallelCluster or AWS Batch.
- Nice to have a valuable track record of successful execution of technical projects from inception to implementation.

## What you will do in Nextmol

Participate in challenging projects in the field of computational chemistry, where your work will have a direct impact on the design and development of new molecules and materials, by:

- Contributing to plan and design the computational chemistry platform.
- Making technical decisions to advance the development of the platform.
- Coding using best practices.

## Who we are and what we want

- A horizontal team where everyone can contribute and learn.
- Multidisciplinary profiles being able to carry out tasks autonomously.
- Developers who always want to improve their skills.

## Conditions

- Preferably hybrid job based in Barcelona or Valencia.
- Competitive salary, taking into account the qualifications of the candidate.
- Permanent contract.
- We are a small but very motivated team. You will be working in a growing company with great potential to advance personally and professionally.

## Contact

To apply for the position, please send your CV and a motivation letter to [info@nextmol.com](mailto:info@nextmol.com).

By submitting your information, you agree to Nextmol's [Privacy Policy](#).

For more information, visit our website <https://www.nextmol.com/>