

HPC Software Developer (M/F)

Qubit Pharmaceuticals is a French-American deeptech startup, focusing on discovering novel molecules for complex targets in healthcare and materials science. We leverage proprietary molecular simulation and quantum-physics based modeling technology to develop our own discovery programs that we either co-develop with or license out to pharmaceutical and industrial partners. This enables us to design more effective and safer drug candidates, aiming to significantly reduce the time and investment needed for discovery. In just 18 months, Qubit Pharmaceuticals grew its portfolio to 7 programs in oncology, immunology & antivirals.

Our cutting-edge technology is based on over 30 years of research by our academic founders, and relies on three main components: in-depth expertise in computational science and high-performance computing (HPC), quantum chemistry and artificial intelligence algorithms, and a powerful, automated cloud platform for molecular simulation with chemical accuracy. We recently announced the launch of [the world's most powerful AI foundation model](#) for molecular simulation.

The perfect fit for this job

At Qubit Pharmaceuticals, we are looking for a passionate and curious HPC Software Developer, who is always willing to learn more about his field. A developer who respects the idea of collaborating and succeeding together with team members.

Your role

As a member of HPC team, you will be responsible for:

- Regular code development activities including porting, optimization and maintenance
- Compiling new versions of codes for different HPC clusters and making them available for our users
- Providing technical support to users
- Writing technical documentations for user support on HPC
- Taking part in weekly HPC team meetings
- Implementing new algorithms in codes as required by users
- Proactively work on optimization of codes using various profiling tools
- Reporting monthly activities
- Taking part in scientific article writings

Your qualifications and skills

- Master's degree or equivalent in Applied Maths / Computer Science / Physics / Chemistry
- PhD relevant with HPC code development is preferred

- CPU/GPU hardware architectures
- Proficiency in at least one of the following GPU programming paradigms:
 - OpenMP/OpenACC
 - CUDA/HIP
- Proficiency in at least two of the following programming languages:
 - C
 - C++
 - Fortran
- Scientific code development
- Distributed memory (multi-node) programming (MPI)
- Working on HPC clusters (Slurm, HPC software installations etc.)
- Code optimization
- Profiler tools (nsight, vtune, gprof, rocprof etc.)
- Porting code for different GPU architectures (Nvidia/AMD/Intel)
- Linux code building tools (make, cmake etc.)
- Debuggers (gdb, valgrind etc.)
- Python programming and package management (conda, pip)
- Version control (git, gitlab/github)
- Knowledge of containerization technologies (Docker, Singularity, ...) is not required but is a plus

The proposal benefits & perks

- Duration: Full time – Permanent
- Starting from October 2025
- Salary according to profile
- Health insurance and provident fund 100% covered
- Lunch vouchers worth €9 covered at 50%.
- Location: Paris 14th arrondissement
- Possibility of remote work for 2 days per week.

To apply 

For more information about Qubit Pharmaceuticals: www.qubit-pharmaceuticals.com

Join our journey to push the frontiers of science, technology and your career!

“At Qubit Pharma, we don't just dream big—we turn those dreams into real-life innovations in the Drug Discovery world. That's what makes this more than a job - it's a journey where your best ideas can turn into disruptive and game-changing realities.”

- Yassine, Atlas Team

“Join Qubit Pharma for a multicultural, multidisciplinary environment that fuels growth. We're a team where diverse perspectives converge, offering scientists and experts like you the opportunity to cultivate expertise and contribute to groundbreaking discoveries.”

- Daniele, Research Team

Qubit mission, vision and values

A unique career

Qubit Pharmaceuticals is looking for talented professionals to join our team – individuals who have a passion for science, drug discovery and molecular modeling.

Our Vision

Unlock the power of quantum at scale to design better treatments for any target and every patient.

Our Mission

We pioneer quantum-aided drug design and leverage cutting-edge science to design novel molecules for complex targets.

Workplace and culture

We're a diverse mix of expertise, experience and perspectives, united around the passion to make a positive impact in drug design and discovery using the best computational technology.

We're proud of our inclusive culture where individuals are encouraged to collaborate, lead and grow.

Our Values

We live and work by our values:

- We care genuinely
- We encourage diversity
- We value scientific excellence
- We foster resilience
- We succeed together