

SBQuantum are using cutting edge science to enhance the way we use magnetic fields in order to “Reveal the Invisible” for our clients. We are reinventing the way companies sense the world by innovating magnetics to provide solutions for problems to which this sensing modality was previously redundant. As a forerunner of Sherbrooke’s nascent quantum hub, SBQ are prototyping a ‘Magnetic Intelligence’ platform, built around a novel diamond-based magnetometer. This platform will reveal hidden objects and enable improved navigations even in difficult environmental conditions. Magnetic fields are everywhere around us, let us make them central to how we sense the world.

Your responsibilities to advance our mission

SBQuantum have several specialist products ranging from a cutting edge quantum sensor to state-of-the-art defence algorithms, but none of it works if users can not interact with it! As a full-stack developer, your job will be to curate the front and back-end environments to make sure that the full pipeline operates reliably, effectively and intuitively. SBQuantum are proudly user-centred in our design so you will be a champion of making the quantum technology easy for any operator to use, regardless of their training. If you thrive in environments with a lot of different considerations to bring together and have a fail fast mentality - this is the role for you! Specifically you will:

- Build and improve our Web applications using the Angular framework
- Add graphical features presenting new ways to perceive data
- Ensure graphical responsiveness and support for mobile resolutions
- Invoke and create REST APIs to communicate with our acquisition platforms
- Improve Python3 acquisition software and artificial intelligence algorithms
- Create devops tools to ease CI/CD
- Ensure software quality and automate tests

What you need to join our team

We are looking for candidates who have a bias for action and will thrive in an environment with a high degree of autonomy and responsibility. We are looking for a fullstack web developer with a strong background in front-end and back-end web development. Technical skills possessed by applicants should include:

- Bachelor degree in computer science and 3+ years experience
- Knowledge of Typescript and Python3
- Experience with the Angular framework
- Capabilities in designing mockups
- Excellent understanding of Web based applications and HTTP communications
- Familiarity with the Agile methodology and tools
- Proficiency using RxJs Observables
- Expertise using github for pull requests
- Good understanding of the user-centered design principles

Do you want to seize the opportunity to contribute to and influence the development of a disruptive technology with multiple benefits to society? Contact us, our team wants to meet you!

Send your CV + cover letter to: Rachel Taylor, COO and co-founder, rachel@sbquantum.com

