

# Junior Software Engineer

## Job description

Bitbrain is a neurotechnology company whose mission is to bring neurotechnology closer to society. We develop integral solutions using proprietary software and hardware. Applications range from human behavior research, human monitoring, brain-computer interfacing and closed-loop interventions for health and wellness.

We are seeking a highly talented and motivated Junior software engineer to join our Product Development team. The candidate must be flexible to work in a highly dynamic environment and to adapt to fast changes in requirements. We are looking for someone interested in developing neurotech applications. The position is initially focused on the interaction with the user (GUIs, control logic), but there will also be a tight collaboration with the acquisition and processing of neural and physiological signals.

In the medium term, the candidate is expected to contribute in the following software modules and functionalities:

- Applications for the design and execution of neurotechnology studies.
- Applications for real-time analysis, data analytics, and data visualization.
- Software platform to acquire and synchronize signals in real-time.
- Modules to interact with our own and third-party devices (EEG, eye tracker, cameras, microphones, localization systems, etc.).

### Your tasks:

- Continuous development and integration of new features.
- Develop new applications.
- Improve the usability of GUI applications and adapt to clients' feedback.
- Integrate new technologies (IP cameras, wireless systems with high bandwidth requirements) and processing algorithms.
- Maintenance of the current software components.
- E.g., update drivers, software libraries, etc.
- Deployment, setup, and testing.

### Your skills:

- C++
- Experience in GUI or in developing data acquisition applications
- Familiar with version control software
- Fluent in english
- Nice to have: Qt, Matlab, Python
- Nice to have: Experience in developing large software platforms

Please, send your CV throughout our Careers platform: <https://www.bitbrain.com/careers>