

# Software Engineer

## Job Offer

### The Company

3Brain AG is a Swiss deep tech company working on cell-electronic interfaces that link biological networks to computers via custom-made semiconductor microchips. Our mission is to empower life scientists to probe intelligent networks, accelerate biomedical discoveries for the benefit of patients, and create a future more exciting than the present.

Our interdisciplinary team of scientists and engineers are constantly pushing the boundaries of engineering for life's complexities. We are ambitious, fast-growing and love to explore. Our company is headquartered in Switzerland nearby Zurich, has a Software and Discovery Unit in Genova, Italy, and has installed its cutting-edge products in laboratories and pharma companies worldwide.

More info: <http://www.3brain.com/about.html>.

### Job description

We are seeking a Software Engineer with a strong background in Object Oriented Programming and basic knowledge in machine learning and signal processing to join the Data Science team at 3Brain's Italian unit. The candidate will be part of our growing software team and will play a pivotal role in shaping the future of our software solutions. This position requires coding and maintenance of our software suite.

Main responsibilities:

- Contribute to data architecture, develop, design, and maintain high-quality code in various programming languages.
- Collaborate with the fellow Data Scientists to develop and design innovative strategies and solutions related to the company's lines of research and development using advanced machine learning and signal processing techniques.
- Collaborate with fellow Data Scientists in the research from which can be develop prototypes and proof of concepts of interest for the company.
- Collaborate with fellow software developers, engaging in continuous learning and skill enhancement.
- Adhere to company standards, best practices, and regulatory requirements during the development process.
- Coordinate efforts with other project teams to maintain product integrity.
- Document technical deliverables through use cases, design documents, and technical specifications.

- Contribute to the development and/or review of test protocols, ensuring thorough testing of applications before user distribution.
- Collaborate in developing and implementing solutions to address errors, enhance software performance, and improve user experience.

## Required Qualifications

- B.Sc./M.Sc. degree in Computer Science, Software Engineering or similar.
- 2 years of experience in Object Oriented Programming (OOP), data structures and algorithms.
- Basic knowledge in machine learning and signal processing.
- Collaborative problem-solving ability, action-oriented and results-focused.
- We use English to communicate in the office; therefore, comfort with the language is essential.

## Additional Qualifications

- Candidates with knowledge and experience in **C#**, **C/C++** and **.NET** technologies are strongly preferred.
- Knowledge or experience in Intel Integrated Performance Primitives (IPP), Intel Data Analytics Library (oneDAL) and Math Kernel Library (oneMKL).

## What We Offer

- A dynamic and stimulating work environment driven by a desire to build transformational technologies to help others.
- A fast-growing company with plenty of opportunities for personal growth and development.
- The opportunity to work alongside experts in many software engineering areas such as Data Science and Bioinformatics, using the latest tools and equipment.
- Working place: **Genova, Italy**. It is a wonderful Mediterranean city with an incredible history, located at the heart of nearby world-renowned places Cinque Terre or Milan, the fashion and business hub of Italy.

To apply send your CV and short motivation letter to [hr@3brain.com](mailto:hr@3brain.com), subject: **Software Engineer**. **Your CV and/or motivation letter must indicate whether you have EU citizenship/work permit or not. It is mandatory that you clarify this.**

