

Head of Software Development

Job Offer

The Company

3Brain is a young, fast-growing, dynamic company focusing on brain technologies, one of the most fascinating research and business sectors with multiple applications and impacts on human life. 3Brain's mission is to provide state of the art technology to support life science research and improve human health. 3Brain develops, manufactures and distributes high-quality instruments based on its patented CMOS multi-electrode array, a high-resolution neuro-electronic chip. The company is headquartered in Switzerland nearby Zurich, has a SW R&D office in Genova, Italy, and has installed its products in laboratories and pharma companies worldwide.

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

Job description

3Brain is looking for a full-time head of software development for its Italian office. The ideal candidate has a strong ability in multiple code languages (especially in .NET projects) and excellent computer literacy. This is a senior-level position with supervisory responsibilities over candidate's team, while interacting with the other seniors of the software team to lay out the scale and scope of the software project according to Company's strategies. This position also requires hands-on design and coding. Main responsibilities:

- Responsible for ensuring that model code, data pipelines, APIs, and user interfaces are developed and deployed successfully into production, and troubleshooting issues that arise.
- Define data architecture, create, design, write, and maintain high-quality code in different programming languages, ensure a good data flow between database and backend systems, and strive to achieve the best possible performance, quality, and responsiveness of applications.
- Ensure that the technical solutions meet the customers' goals, analyze user needs, and participate in meetings to define requirements.
- Coordinate activities with other project teams to ensure product integrity.
- Act as the go-to expert for the entire technology stack, demonstrating a deep understanding of all layers of the stack, including front-end, APIs, back-end, server, network and how it relates to business needs.



- Technically document software deliverables through use cases, design documents, and technical specifications.
- Develops and/or reviews the development of test protocols for testing applications before distribution to users.
- Modify existing software to fix errors, improve the overall quality and functionality, or update integrations with other software.
- Mentor less experienced programming and development staff.

Required Qualifications

- Bachelor's degree in computer science, information technology or similar.
- At least 5 years of hands-on experience in each of the following tech: C#, ASP.NET, SQL, GIT, Visual Studio, HTML/CSS and Javascript.
- Experience with WinForms, TypeScript, Angular, Python and NoSQL.
- Collaborative problem-solving ability, action-oriented and results-focused.
- Excellent English language skills.
- Applicant must have an EU residence permit.

Additional Qualifications

- Candidates experienced with DevExpress eXpressApp Framework (XAF) are strongly preferred.
- Knowledge and development of ERP solutions.
- Experience with Agile development methods and with backlog management tools (e.g., JIRA).

What We Offer

- A dynamic and stimulating work environment in a young, emerging company.
- A fast-growing company with plenty of opportunities for personal growth and development.
- Working place: Genova (Italy, a wonderful Mediterranean and historical city located nearby world-renowned places such as Portofino and Cinque Terre and 2 hours from Milan, the fashion and business hub of Italy).

To apply send your CV and short motivation letter to hr@3brain.com, subject: [Head of Software Development](#). **Your CV must include the years of experience for each of the technologies at item 2 in “Required Qualifications”**; CVs that do not contain this information will be discarded.

