Job Description

(ref. SOP-0035)

Job Title	
Software Developer	
Reports to: Vice President, Software Engineering	**Department:** Software Engineering
Location: Toronto (ON, Canada), Solana Beach (CA, USA) or Remote	

Overview

At ClearPoint Neuro, our mission is to improve and restore quality of life to patients and their families by enabling therapies for the most complex neurological disorders with pinpoint accuracy. Applications of the company's current product portfolio include deep-brain stimulation, biopsy, laser ablation, neuro-aspiration and delivery of drugs, biologics and gene therapy to the brain.

The Software Engineering division at ClearPoint Neuro is looking for a Software Developer to join our team to work on developing the company's innovative portfolio of neurosurgical products used in hospitals across the country. This portfolio includes software applications developed for image-guided surgery, surgical automation using robotics, brain-computer interface implantation, presurgical planning and post-treatment monitoring. This is a unique opportunity to work on a suite of software products that directly impacts the treatment of patients suffering from some of the most debilitating neurological disorders.

The Software Developer will contribute to important development efforts for one or more software products, including: requirements definition, software design formulation, source code implementation, and verification/validation. The successful candidate will have a commitment and responsibility in ensuring that ClearPoint Neuro software products are safe and effective for clinical use.

Duties and Responsibilities

The Software Developer shall perform tasks related to the development of products developed by ClearPoint Neuro, Incorporated. They will collaborate with members of the Software Engineering division to assist in all aspects of the software development lifecycle, including coding, writing unit tests, performing code reviews, participating in verification and validation activities, and producing documentation deliverables.

The Software Developer shall interact with project management, software development, clinical, and regulatory teams regularly to develop and support all software products developed by ClearPoint Neuro, Incorporated.

Software Development
1) Review and understand software requirements.
2) Develop new feature sets for various software products.
3) Collaborate on software development activities with the rest of the team.
4) Assist with executing unit, integrated and system-level tests.
5) Assist in fixing software anomalies.
6) Contribute to documentation deliverables required for software test activities.
7) Collaborate on software-related test activities with the rest of the team.

Support
1) Investigate and reproduce problems reported by the clinical team.
2) Record support issues and provide root-cause analysis.

Qualifications

Experience

➤ Hands-on software development experience, preferably in a .NET environment.
➤ Software testing experience, preferably in a medical domain
➤ Experience with unit testing tools
➤ Experience with Microsoft Visual Studio
➤ Experience programming with C# and/or C++
➤ Experience with revision control systems, preferably Git
➤ Excellent communication skills are required.

Education

➢ B.Sc. or B.A. (or equivalent), preferably in a science, engineering, math, or medical-related area

Special Skills

➢ Experience with image visualization tools and platforms, such as VTK
➢ Course work / experience with image processing and/or medical imaging.
➢ Course work / experience with machine learning.

Other Training and Certifications

➢ N/A

Contact careers@clearpointneuro.com to apply