Job Description
(ref. SOP-0035)

Job Title	
Software Developer	
Reports to: VP, Clinical Science & Applications	**Department:** Clinical Operations

Basic functions

ClearPoint Neuro's 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, laser ablation, biopsy, neuro-aspiration, and delivery of drugs, biologics, and gene therapy to the brain.

The Software Developer role will help transform neurosurgery by developing robust software tools for planning and guidance of minimally invasive interventions. As part of the Clinical Science and Applications team, you will develop state of the art tools for image visualization, processing, and multi-modal computational modeling. Your efforts will help shape the next generation of software tools for neurosurgical research and deliver the most precise therapy guidance.

As a Software Developer, the candidate will be accountable for the development, testing, and documentation of software for medical image processing and visualization. The Software Developer will work closely with clinical scientists to identify software requirements and maintain a development timeline for new features. As part of a cross-functional team, they will work to migrate research projects into clinical products.

Duties and Responsibilities

➢ Design, implement, test and document software for:
  o Visualization of multi-modal medical images
  o ML-based automated image analysis
  o GPU-accelerated scientific computation libraries
➢ Maintain good software documentation in accordance with quality system requirements.
➢ Collaborate with clinical scientists to develop software requirements
➢ Work with other cross-functional teams to provide strong and efficient feasibility analysis and clinical validation.

Qualifications

Experience

➢ Minimum of 5 years relevant software development experience

➢ Relevant experience with:

- C++/C# for Medical Image Processing

- Image Processing and Visualization with ITK and VTK

- DICOM and NIFTI file formats

Education

➢ Minimum B.S in CS, EE, BME, or related fields.

➢ M.S. or higher a strong plus.

Special Skills

➢ Flexible and open attitude, great communication skills in English.

➢ Self-starting capabilities and an entrepreneurial mindset.

➢ Preferably affinity with working in cross-functional teams.

Contact Careers@clearpointneuro.com to Apply