magnusmedical

Software Engineering - Neuromodulation Software

We are seeking a motivated and innovative Software Engineer to join our dynamic team. In this role, you will design, develop, and optimize complex software solutions, driving the evolution of our core products and services by deploying the company's neuromodulation software. The right candidate will collaborate closely with cross-functional teams to deliver high-impact projects; interfacing to the AWS cloud for data storage and retrieval; integrating with various internal and external hardware components in our laboratory. This role is pivotal in bridging technical development with stakeholder needs.

Roles and Responsibilities

- Development of Neuromodulation Software Product
  - Intellectual ownership and specific responsibility related to design, development, testing, and deployment of the company's NMS software
  - C# / .net / WPF Windows implementation
  - Interface with AWS Cloud infrastructure
  - Requirement specification and tracking
  - Test suite development
  - Ongoing maintenance and enhancement
  - Participation in all other activities defined in the company's product development Process
- Interface with the Commercial & Clinical Teams to ensure usability of the system
  - Work with Commercial & Clinical Teams to assess user needs
  - Translate needs into product features and requirements
  - Conduct relevant user tests
- Interface with 3rd Party Hardware Vendors
  - Ensure compatibility of software with all supported hardware components.
- Act as liaison to external stakeholders and key opinion leaders
  - Provide demonstrations of the software to company visitors
  - Work with experts in the field to define current and future product requirements
- Work onsite at Magnus Medical headquarters in Burlingame, CA

○ This role depends on physical testing and interaction with the hardware, which cannot be feasibly relocated to a remote working location.

Skills and Qualifications

- Masters degree or equivalent in computer science
- Minimum 2 years of experience working as a software engineer on native Windows applications
- Ability to work autonomously in project execution and delivery
- Applicable knowledge in .net, WPF, Microsoft Windows architecture
- Experience in developing and designing native, real-time systems connected to the cloud using proprietary APIs
- Experience coding collaboratively using git and writing clean, maintainable code
- Written and verbal communication, including building and delivering presentations to diverse audiences.

Technological Stack

- C# .net as programming language
- Windows native application development (WPF .NET8)
- Python programming
- SQLite, OpenGL
- Communication with Cloud services APIs and AWS Services
- Windows testing frameworks
- Remote software updates
- Git / BitBucket / Jira / Confluence

Salary Range: $150,000 - $200,000 Annually

Company Statement

Magnus is a venture-funded medical devices startup based in the San Francisco Bay Area, led by industry veterans, and committed to development of novel neuromodulation technology for personalized treatment of psychiatric and neurological disorders.

We are deeply committed to integrity, kindness, and communication, and these principles govern how we will build our team and operate the company. Magnus is an equal opportunity employer. We value diversity and are committed to creating a positive, inclusive environment for all employees.