



## Principal Firmware Engineer

### **Position Description:**

As a member of the SetPoint Medical engineering group, the Principal Firmware Engineer will be responsible for full firmware lifecycle development activities on multiple embedded platforms.

They will be expected to:

- Contribute to system architecture design decisions
- Develop specifications, designs, schedules and test plans
- Generate and maintain technical documentation required to support regulatory submissions
- Produce reliable and extensible code that fulfills all design requirements
- Perform and document comprehensive system and unit level testing
- Lead, collaborate with, and mentor other developers

### **Qualifications:**

The ideal Principal Firmware Engineering candidate will have 10 or more years of experience developing commercial firmware with a proven track record of shipping finished products.

Experience with regulated, Class III medical device firmware development is strongly preferred.

Also required are expert level skills at:

- Firmware design patterns and best practices
- Embedded firmware development for ARM based microcontrollers
- Embedded firmware development for Nordic nRF51822 BLE SoC
- IAR Embedded Workbench for STM32 and STM 8 microcontrollers
- Algorithm modeling in Matlab
- Algorithm development and optimization
- Debugging complex hardware and firmware systems

In addition, a BS degree in engineering or equivalent is required and an MS degree is preferred along with evidence of continuing education in embedded firmware development.

### **Location:**

Company headquarters in Valencia, CA

### **Company Description:**

SetPoint Medical is an early stage medical device company developing the first implantable neurostimulation device for the treatment of chronic inflammation.

Please address all inquiries to [careers@setpointmedical.com](mailto:careers@setpointmedical.com).