



875 Mahler Road, Ste. 168
Burlingame, CA, 94010
+1 415-890-3961
www.calahealth.com

Firmware Engineer

About Cala Health

Cala Health is a medical technology company pioneering a new class of electrical medicine called neuroperipheral therapy™. Neuroperipheral therapy treats chronic disease non-invasively, without drugs or surgery, by stimulating peripheral nerves with body-worn electronics. Merging innovations in neuroscience, electronics, and medical devices, Cala Health has recruited experts across these fields to develop new therapies for patients. The company was spun out of Stanford University and is venture backed by leading investors in technology and healthcare, including Johnson & Johnson, GV, dRx Capital (Novartis/Qualcomm joint investment), Lightstone Ventures, Lux Capital, and Action Potential Venture Capital (GlaxoSmithKline).

The Opportunity

Cala Health is seeking a Firmware Engineer to join our growing team. This individual will work on the stack from hardware support to the application itself, leading the development of new firmware technology on low power, wearable embedded systems. Specific responsibilities include the following:

- Develop support for hardware / peripherals including motion sensors, flash memory, analog hardware, wireless communication.
- Develop application and system drivers.
- Develop system technologies, such as data management and transport.
- Implement data processing algorithms in a timely, efficient manner.
- Implement user interfaces.
- Optimize code for low power applications.
- Complete all engineering documentation related to assigned projects including plans, technical reports, project notebooks, and design input, technical drawings.
- Work with the Regulatory/Quality department to ensure that design and test specifications for the system meet or exceed all applicable regulatory standards and all risks are identified and mitigated to an acceptable level.
- Support company goals and objectives, policies and procedures, the Quality System Regulation, ISO/MDD regulations, and other regulatory requirements.



- Maintain a professional, credible image with key physicians, consultants, suppliers, and co-workers.

Desired Skills and Experience

- BS in Computer Science, Computer Engineering, or Electrical Engineering
- 3-5 years experience working in firmware applications for wearables and ultra low power / ultra small footprint design
- Experience with microcontrollers, including Cortex M0, M3, M4
- Experience with relevant technologies such as WiFi, BLE, 3G/4G, hardware debug, sensors
- Experience with C is a must, Python 2.7.x/3.6.x is a plus
- Prior experience in the Medical Device industry is a plus
- Preference for working in a dynamic, fast-paced environment

Cala Health offers a competitive compensation and benefits program as well as a progressive work environment. We are an equal opportunity employer. If you or someone you know might be interested in this position, please submit a resume & an introductory email to careers@calahealth.com. More information about Cala Health can be found at www.calahealth.com

