

# Embedded Firmware Engineer at Early

Early is looking for a talented Embedded Firmware Engineer to work with us on the development of an at home early detection device.

Our mission is to enable people to live longer, healthier lives by providing early detection of serious illnesses. We are bringing together a multidisciplinary team of world-class scientists, engineers and designers to create products designed to test for serious health conditions in the comfort of their own home.

## Primary Objectives

- Leading the firmware development, working in close collaboration with the electronics and software teams
- Prepare test specification, test plans based on design documents of software and hardware modules.
- Working as part of the wider engineering team to troubleshoot and diagnose emerging issues.
- Develop unit test module/scripts for validating the software/hardware functionalities

## Main Tasks

- Responsible for designing and developing the firmware architecture for the entire device which features a microcontroller and system on chip.
- Prioritize, prototype and ship features to meet the fast-changing needs of an early-stage startup. Be the go-to expert in firmware development for the company and communicate proactively about timelines and realistic expectations for your area of work. Work with us to develop the processes that will help you do your best work.
- Write efficient, well-documented code.
- Check in code and seek review regularly, and assist in code review for others. Actively document and present/teach about your designs and ideas.

## Experience and Qualifications

- A minimum of 5 years experience in professional software development
- Previous involvement in regulated In Vitro Diagnostic (IVD) development, including operating under ISO13485 and IEC62304.
- Proficiency in C/C++ programming languages.
- Experience in using source code management tools, preferably Git
- Experience with Real-Time Operating Systems (RTOS) and bare-metal development
- Previous experience in developing secure firmware for wireless communications

## Skills

- Excellent programming and coding skills, with attention to detail and code quality
- Write and maintain clear documentation
- Strong interpersonal skills and teamwork within a highly-collaborative environment
- Able to communicate effectively across disciplines

## Personal Attributes

- **Driven:** Passion for making a positive impact in the field of healthcare and a dedication to Early's mission of early detection of serious illness.
- **Analytical:** strong critical thinking abilities.
- **Adaptable:** willingness to learn and apply new technologies and techniques.
- **Collaborator:** Loves working with diverse experts as part of a multidisciplinary team
- **Proactive:** self-motivated with a strong sense of accountability.
- **Results-Focussed:** Track record of delivery of key milestones

### Languages

English – Professional or Native

### Remuneration

Competitive Salary + Options

### Place of Work

Kings Cross, primarily in the office, with some flexibility for home working.

### Annual Leave

Enjoy a generous 25 day holiday allowance, in addition to bank holidays.

### Other Benefits

- **Pension Scheme:** Join our pension scheme, which helps you plan for a secure financial future by providing employer contributions and opportunities for personal contributions.
- **Cycle-to-Work Scheme:** Take advantage of the cycle-to-work scheme, a tax-efficient initiative that enables you to purchase a bicycle and related equipment for commuting purposes.
- **Season Ticket Loan:** Enjoy the convenience of a season ticket loan, allowing you to spread the cost of your annual travel pass, whether it's for the tube, bus, train, or other public transportation modes.
- **Professional Development:** We support your continuous growth and development by providing opportunities for professional training, workshops, conferences, and access to online learning platforms.
- **Central London Location:** Work in the heart of London, enjoying convenient access to excellent transportation links, diverse culinary options, cultural attractions, and vibrant city life.
- **Social Events and Team Building:** Engage in regular social events, team-building activities, and celebrations to foster a sense of camaraderie, connection, and community within our central London workplace.

### How to Apply

- We encourage all individuals who believe they have the skills necessary to thrive to apply for this role, even if they don't meet 100% of the job requirements.
  - To apply for this job, please send your CV to [jobs@earlyhealth.com](mailto:jobs@earlyhealth.com).