

## Job Profile: Electronics Engineer

### Company Overview

Footfalls & Heartbeats is a technology-focused startup specialising in the development of proprietary technology for the fast-growing field of smart textiles. The company prides itself on "the textile is the sensor"<sup>TM</sup> and works with large global companies, with a specific focus on health and wellbeing.

### Position Overview

You will be the electronics engineer at a revolutionary startup, at the forefront of building a new smart textiles industry. As electronics engineer you will be responsible for all aspects of end-to-end electronics design including schematic capture and PCB design, firmware development, prototyping, debugging and proof-of-concept creation, evaluation of new technologies, maintenance, and support of existing products. As a young company this position offers a substantial opportunity to develop and learn new skills.

### Required Knowledge and skills:

- A degree or master's in a relevant subject (e.g., electrical and electronic engineering, computer science, etc.).
- 2+ years of experience as an electronics design engineer preferably in a commercial product development environment.
- Experience in embedded firmware development (embedded C, C++, etc.).
- Experience in digital electronics circuit design, including schematic capture, circuit analysis, and PCB layout.
- Experience in analogue electronics design, including filters, Op-Amps, and signal processing in general.
- Experience with digital and wireless communication protocols including BLE and USB.
- Understanding of product development lifecycle principles.
- Strong problem-solving skills paired with practical electronics prototype development, testing, and validation abilities.
- Excellent communication skills, both written and verbal.

You must be driven, self-motivated, a good team player, able to communicate effectively at all levels, and, above all, highly innovative, thinking outside the box to deliver high standards in electronics hardware design.

### Desired Skills & Knowledge:

- Experience in 3D modelling and printing.
- Familiarity with EagleCAD or Fusion360.
- Experience in low-power circuit design for battery-powered products.
- Experience in designing products to meet EMC or other compliance standards.
- Knowledge of product development to DFM (Design for Manufacturing).

**Reporting to**  
Head of Technology

**Compensation**  
£35k – £41k

**Location**  
Footfalls & Heartbeats, Nottingham

**Company Culture**  
Footfalls is a company based on the egalitarian values of its New Zealand founder. All members of the company will be treated with respect and valued equally. Footfalls runs an organisation that has core values summed up by the following:

*“ be bold, be brave, have fun and change the world “*