



Electronic Design Engineer - Job Description

Position: Full-time
Location: Stevenage
Start: Q2 2023

mOm is a multi-award winning start-up that holds onto strong values of community, pioneering spirit and a patient-centric approach. By constantly questioning conventional wisdom, the team are working on introducing a range of products in healthcare, the first of which is the mOm Incubator. We aim to achieve this while ensuring a focus on continual quality improvement and customer satisfaction.

mOm is supported by prolific industry professionals and investors, including Cross Border Impact Ventures, a North American based fund focussed on children's and women's health.

Our mission is to give every child the best start in life through smarter healthcare technology. This role offers the opportunity to make your mark as a key member of the mOm team.

It is a great chance to join a company that really cares for its people and invests in their professional development and success. If you value high standards, an open working environment and taking the lead on your own projects within an energetic environment, join mOm!

Purpose of the role:

As an Electronics Design Engineer you will help with the research, development and industrialisation of mOm's products from concept to market, as well as improving existing products. You will be as comfortable designing products independently as you are in a multi-disciplinary team. If you have a hands-on, go-an-extra-mile approach and want to play an instrumental role and have ownership in the creation of products that make a difference - you may be just the person we are looking for!

Duties and responsibilities:

- Work closely with the technical team on multiple products, using skills such as electronics design and coding.
- Creative thinking, conceptualisation and providing input into the future product portfolio
- Liaise with internal and external stakeholders to refine and evaluate requirements, strategy and content needs for mOm's products
- Design products using the latest CAD software
- Build prototypes of devices to test functionality, usability and acceptability of new devices or features
- Create and manage documentation required for regulatory purposes, including Technical Files / Design History Files (DHF), Verification and Validation.
- Work effectively, both independently and as part of a multi-disciplinary team
- Maintain confidentiality and integrity when working
- Project management as required
- Other requirements as needed

Key requirements:

Essential Technical Skills:

- At least 4 years of experience, and a proven track record in electronic design, in the medical or other highly regulated industry (e.g. automotive, aerospace, defence etc.)
- Degree in Electronics, Computer Science or a related discipline
- Design and develop custom electronic circuit boards, including schematic capture and PCB layout
- Good knowledge of analogue and digital design including architecture, component selection, PCB design, design for manufacture and regulatory compliance
- Experience designing with microprocessors/microcontrollers, memory devices, programmable logic, power supplies, wireless communications
- Develop high-quality embedded software
- Structured and methodical problem solving
- Team player who is comfortable working as part of a close-knit project team
- Good reporting and presentation skills

Desirable:

- Medical device experience, having worked under an ISO 13485 Quality Management System
- Experience with Wi-fi, Bluetooth, and Zigbee
- Experience with Altium Designer
- C / C++ / Python
- Embedded software development
- Risk management techniques knowledge and experience
- Product life cycle management (including specification, board bring up, verification and validation) system experience
- Design for Manufacture and Assembly experience and demonstrable track record
- Cost reduction experience and demonstrable track record

Personal Characteristics:

- Willingness to take responsibility and drive activities
- Copes well with unexpected change, is flexible and calm under pressure
- Versatility to work effectively, both independently and as part of a multi-disciplinary team
- Confident with a positive and engaging communication style and can speak to a range of technical and non-technical audiences
- Collaborates effectively and actively shares own knowledge
- A self-starter who can manage their own time and workload
- Eager to continually learn and improve
- Be respectful of other views, opinions and contributions

Don't meet every single requirement? Don't worry!

At mOm we are dedicated to building a diverse, inclusive and authentic workplace, so if you are excited about this role but your past experience doesn't align perfectly with the job description, we encourage you to apply anyway. You might be the right candidate for this role or other roles.

If you feel you have the relevant experience and want to do something that will have a profound and positive impact on the world, please contact us at careers@momincubators.com

Competitive salary and share options offered. For more information please contact us.

We do not accept cold calls/emails from recruiters. Any CV's sent to us by recruiters may be used by us and no remuneration will be given if the candidate is hired.