

MECHANICAL ENGINEER

Early is looking for a talented **Mechanical Engineer** to join our mission to enable people to live longer, healthier lives by providing early detection of serious illnesses. We are a multidisciplinary team of world-class scientists, engineers and designers and we build products designed to test for serious health conditions in the comfort of their own home.

Your main tasks will be to:

- Collaborate with cross-functional teams to define device requirements, specifications, and performance criteria;
- Design and develop mechanical components of diagnostic devices for early detection of serious illnesses;
- Conduct thorough research and stay up-to-date with the latest advancements in medical device technologies and related fields;
- Perform feasibility studies and create detailed engineering plans, including drawings, 3D models, and technical specifications;
- Utilize your extensive knowledge of mechanical engineering principles to analyze and optimize device performance, reliability, and safety;
- Conduct rigorous verification testing and validation to ensure compliance with specification, relevant regulatory standards and guidelines;
- Identify and troubleshoot technical issues, and propose effective solutions to ensure smooth operation and performance of the devices;
- Collaborate with manufacturing and production teams to ensure successful transition from prototype to mass production while maintaining high-quality standards;
- Document design processes, specifications, and testing results to ensure clear communication and knowledge transfer within the team.

Your experience

- Mechanical Engineering, Biomedical Engineering or a related field within a regulated industry, a bonus being within medical device development;
- Familiarity with relevant standards and regulations governing medical devices, such as ISO 13485, IEC 60601, and FDA guidelines;
- Experience working with full product development lifecycle and transfer to manufacturers, and manufacturing management.

Your skills

- Knowledge of design for manufacture in a range of manufacturing techniques;
- Design for assembly for high volume manufacture, including quality assurance criteria;
- Proficiency in CAD software (e.g. SolidWorks) for mechanical design and simulation;
- Strong problem-solving skills and a creative mindset for developing innovative engineering solutions;
- Excellent attention to detail, organizational skills, and ability to work in a fast-paced, deadline-driven environment;

- Effective verbal and written communication skills to present complex engineering concepts and designs (engineering drawings to BS 8888, technical documentation for regulatory submissions).

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

Annual Leave

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

Other Benefits

- Health Insurance
- Pension Scheme
- Cycle-to-Work Scheme
- Season Ticket Loan
- Central London Location
- Social Events and Team Building

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.