Material Index

LEAD ENGINEER

Material Index is seeking an ambitious full-stack Lead Engineer with an interest in sustainability to join our growing team at a senior level.

About Us

Material Index is a highly innovative construction technology company focussed on enabling material reuse at scale in the construction industry. Construction is responsible for over half of UK waste, and over a third of our production of greenhouse gases. Our technology enables the seamless indexing and exchange of materials held within existing
buildings. We reduce carbon, waste and costs for our clients, and we are enabling a transition to a more circular economy, where fewer resources are wasted. At scale we will have a transformational impact and we are looking to grow.

The Material Index team of 9 consists of engineers, software developers and architects, working in close proximity in a collaborative and fast-paced studio environment. Our home is Farringdon, London and our clients are some of the UK's largest building contractors and real estate developers. We are a revenue generating seed-stage business who have recently raised money to expand in this fast-growing sector.

Role

This is a senior role within MI. You will be working closely with our CTO and the other company Directors in a pivotal role for the business. You will be determining, designing and building-out the next digital product iterations, as well as hiring and shaping a great team. In addition to showing great technical results you'll be strong in communication and project management.

Responsibilities will include: helping guide our roadmap, managing product development cycles from ideation through to maintenance, learning from customers, setting goals, leading technical discussions, mentoring team members and communicating with the rest of the team.

The current product allows for the rapid surveying and management of components within the built environment and is performing well. We are looking to refine and add significant new features over the next 12 months, allowing us to handle more materials, data and workflows for larger organisations and networks. This brings a number of complex data challenges and a requirement for us to be strategic in our deployment of technical resources. Our current team is creative, driven, capable and has deep industry expertise with construction and engineering.

At a high level our tech stack is:

- Front End: Next.js, React, MUI, Mapbox (Typescript)
- Back End: GCP, MongoDB, PostgreSQL, tRPC (Typescript, Python)

Experience within seed stage start-ups, at leading technology firms, within the built environment or sustainability sector, and/or with marketplaces and surveying software, is all looked upon favourably.

We have all had unusual career trajectories, and encourage applicants with similarly varied backgrounds to apply.

Process

The process will comprise three interviews, one of which will be in person. Salary will be dependent on experience and highly competitive. There is extensive room for professional growth and Material Index actively encourages and expects all staff to engage in professional discourse.

We welcome people from all backgrounds with the relevant sensibilities and aptitude. All appointments will be made on merit. Any offer of employment with Material Index will be conditional upon having the right to work in the UK.

Please submit a CV, a short cover letter, and an optional PDF portfolio of maximum 15 MB to:

team@material-index.co.uk