



Software Engineer

We started out by wanting to make satellite imagery available to all. We've grown to understand it's even more powerful when you match it to real business needs.

Bird.i is a fast growing "big data from space" start-up backed by Hanley Wood | Meyers Research, the housing industry's foremost advisors and provider of rich data. We have unique partnerships with the world's leading satellite and airborne operators, giving us access to an unprecedented amount of Earth observation imagery.

We're determined to make it accessible, affordable and usable, putting the end user at the heart of the process, so that we provide a service that delivers smoothly, efficiently and effectively. Over and over again.

With the collaboration from our group companies, we process this imagery with machine learning techniques to monitor the construction of real estate projects and make these unique sources of insights available to builders, developers and investors.

As a Software Engineer at Bird.i, a typical day might include the following:

- Celebrate with the team for increasing the number of business who have access to satellite imagery and the insights it contains
- Pour yourself a fresh cup of coffee, grab a biscuit, catch-up with the progress from our US colleagues, before participating in the daily team stand-up
- Iron out a bug or two from the previous day and deploy
- Enjoy your lunch while hearing from a fellow employee about a topic of interest
- Spend the afternoon pair programming with a team mate
- Finish the day with brainstorming on culture and discuss how we can make Bird.i an even more desirable employer

This job could be a good match if you:

- Take culture seriously and share our values: **respect, simplicity, communication** and always maintaining a **user-focus** in everything we do
- Can deliver consistent high quality, high-impact work in an agile and changing environment
- Understand that software is about solving customer problems as much as writing code

- Apply a data-driven approach to software engineering and actively identify and monitor key logs and metrics to determine state and direction
- Are happy to take risks, learn from failure and improve with constructive feedback
- Always keep customers in mind for every engineering decision you make

The techy bit:

We've built an event-based, microservice architecture consisting of both front-end and back-end components. We use a lot of Java, Python, Node.js and React. We run our architecture on AWS and utilise a variety of AWS products for computation, storage, messaging etc. We invest heavily in machine learning and computer vision in order to generate real time insights from a large number of images.

We practice continuous delivery, delivering working software straight into production with safety through automated testing and alerts. As engineers we take end-to-end responsibility for testing, deploying and monitoring the services we build.

Note: Experience across the range of our stack isn't necessarily needed – we aim to continually educate ourselves as a team.

To land this role, you must:

- Understand the fundamentals of Computer Science (e.g. data structures and algorithms) and Software Engineering (e.g. Design Patterns, cloud native architecture)
- Be able to effectively choose when and when not to apply them
- Have a track record of delivering successful software.
- Be inquisitive and have an eagerness to learn
- Be willing to work anywhere in the stack according to the business needs, although you may specialise in one area such as front-end or back-end engineering.

Think you have what it takes? Please send your cover letter and CV at brendan@hibirdi.com

'NO RECRUITMENT AGENCIES PLEASE!