



Software Engineer

tl:dr

**Role:** Software Engineer

**Type:** Full-time

**Location:** Glasgow/Remote

**Salary:** 22k-37k

## Who are we?

Bird.i started in 2016 with a simple mission: to make satellite imagery available to everyone. Since then, we've grown to understand it's even more powerful when you combine it with real business needs.

In April 2020, Bird.i joined forces with [Zonda](#) to help bring our Earth Observation expertise to the US housing market. Zonda is a leading brand in residential construction with a mission to advance the home building industry by providing data-driven housing market solutions to the homebuilding and multifamily industries.

Together, Bird.i and Zonda are working hand-in-hand to streamline the collection of, and access to, the most up-to-date housing data to empower smarter decisions.

## What do we do?

We have access to an unprecedented amount of Earth Observation imagery through our unique partnerships with the world's leading satellite and airborne operators. We process this imagery with the latest machine learning techniques to monitor the construction lifecycle of real estate projects across the entire US landmass and make these unique sources of insights available to builders, developers and investors.

## How do we work?

At Bird.i, we are comprised of small, dynamic teams working in a supportive, trusting and transparent environment where we work on challenging problems at a fast pace - an achievement that we're very proud of!

As our teams are small, each team member is awarded the independence and agency to research and solve technical problems in the way they see fit. This means that you won't be bored or micro-managed - you'll have a high degree of responsibility within the team and many opportunities to have a positive impact early in your career.

Personal and professional growth is something that matters a lot to us. So, we give plenty of opportunities to learn new technologies, brush up on best practices and research emerging technologies. Our teams are small, but we leave a lot of room for growth!

## What about our tech stack?

We've built a microservice architecture that has a combination of service-orientated and event-based architectures. 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 at scale from a large set of satellite data.

We practice **continuous delivery**, pushing 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.

## Who are we looking for?

We are looking for someone who:

### Technical

- Understands the fundamentals of Computer Science (e.g., data structures and algorithms) and Software Engineering (e.g., Design Patterns, cloud native architecture)
- Is able to effectively choose when and *when not* to apply the fundamentals of Computer Science
- Can deliver high quality, high impact work consistently in an agile environment and have a track record of successfully delivering software
- Will apply a data-driven approach to software engineering and actively identify and monitor key metrics to determine state and direction

- Is 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.

But it's not all about the technical proficiency, we are looking for candidates who:

## Non-Technical

- Share our values and appreciate and practice **respect, simplicity** and **communication**
- Are inquisitive and have an eagerness to learn
- Understand that software is about solving problems as much as writing code
- Are happy to take risks, learn from failure and improve with constructive feedback
- Always keep customers in mind for every engineering decision they make

## Ready to apply?

If this opportunity sounds like it will help you achieve the next stage of your career, please send your cover letter and CV at [\*\*brendan@hibirdi.com\*\*](mailto:brendan@hibirdi.com)

## Recruitment Agencies!

We appreciate the value and the hard work you put into the industry. However, in this case, we've got the time and the focus to find our next team member on our own, so we won't be requiring any outside assistance. Thank you!