

# Full Stack Developer

## About the Role

Belltree's vision is of a global energy sector that is rapidly transitioning to become increasingly digitalised, integrated and low carbon in the first half of the century. Our mission is to contribute to the realisation of this 'energy transition' by providing best-in-class global data, analytics and consultative insights to the world's biggest energy producers and national energy regulators.

Since its launch in 2015, bMark™ has allowed users to discover the value story of their oil and gas assets, empowering teams with instant access to a suite of independent, global and statistically robust technical databases. bMark™ is utilised by key decision makers to minimize risk and inform investment decisions by interrogating data using advanced analytics and predictive benchmarking algorithms within the easy-to-learn interface. These workflows complement traditional engineering, geoscience and commercial workflows to harness maximum value from assets or portfolios.

We are looking for an enthusiastic **Full Stack Developer to join our team in Edinburgh**. If you're someone who is passionate about data, embraces a dynamic and self-starting company culture, and is excited to contribute to developing data-driven tools to help tackle climate change in the world's most important sector, we'd love to hear from you.

## Responsibilities

Your role will be pivotal within the DEVELOP Team. You'll be the lead developer responsible for the full technical lifecycle of a cloud-hosted data analytics and visualisation platform. You will oversee architecture, development, deployment, performance optimisation, and data integrity, working closely with research, product, and design teams to evolve the platform.

Acting collaboratively with your colleagues to present analytics for new datasets relating to the global upstream energy system. You will also work closely with Belltree's Technical Management who define the strategic direction for the software development and will report directly to the bMark™ Product Owner who is responsible for delivery of development of new software functionality.

## Candidate Characteristics

### Required

- 5+ years of full-stack web application development experience
- Minimum 2:1 Bachelors degree in Computer Science or similar related degree
- Fluency in English
- Proven track record of delivering and maintaining data-driven, production-grade web applications independently or as a lead developer
- Strong background working with geospatial or data-heavy applications

### Core Skills

- React + Typescript (Advanced)

- Complex state management using Redux
  - Custom hooks and performance optimisation
- Data visualisation
  - Large dataset rendering optimisation
  - GeoJSON and polygon / multipolygon rendering
  - Kendo React components
  - Deck.gl with Mapbox
  - Plotly
- .Net Core / C# (Advanced)
  - ASP.NET Core Web API
  - Entity Framework core
- SQL Server
  - Performance optimisation
  - Multi tenant architecture

#### Personal

- Ability to work independently and take full ownership of the technical stack.
- Excellent communication and documentation skills to interface with non-technical stakeholders.
- Proactive in identifying performance bottlenecks, UX improvements, and technical debt.
- Willingness to challenge the status-quo and suggest improvements to work practices
- Professional and co-operative approach to problem solving within small team environments
- Strong written and verbal communication skills

#### Positively Viewed

- Strong understanding of UI/UX principles
- Previous experience / technical knowledge related to Energy Transition or Oil & Gas projects
- Exposure to machine learning pipelines or predictive analytics integration.
- Experience deploying applications to cloud environments (ideally Azure)
- Experience in the Atlassian Suite

#### Package Guidance

- Term: Permanent
- Hours / Week: 40
- Location: Edinburgh, UK
- Base Salary: £35,000 - 55,000 per annum
- Bonus: Up to 10% p.a dependant on Company & individual performance
- Benefits:
  - Flexible hybrid working policy
  - 20 days paid Sick Leave per annum (10 days full-pay / 10 days half-pay)
  - Enhanced Pay & Leave for Maternity/Paternity/Adoption & Bereavement
  - Death-in-Service Benefit (4 x Salary)
  - Financial assistance with relocation to Edinburgh will be provided if required
  - 1x paid professional membership subscription
  - Provision of full home office setup to enable flexible hybrid working

- Mentorship & training opportunities provided in-line with personal / business requirements

## How to apply

If candidates are interested in being a part of this exciting opportunity within an energetic business, and want to build their knowledge within the energy sector, then please send CV and Cover Letter to [peterclark@belltreegroup.co.uk](mailto:peterclark@belltreegroup.co.uk) and [andrewberrow@belltreegroup.co.uk](mailto:andrewberrow@belltreegroup.co.uk).

## About Belltree

We are a global software provider and energy advisory business. Our technical teams consists of reservoir engineers, geologists and data scientists working alongside our supporting business development and administrative teams. For more than 15 years, we have been a trusted partner of government regulators, NOCs and IOCs working to maximise oil and gas asset performance and identify hidden reserves potential in a sustainable manner.

Unlike many consultancies, we go further than just the traditional field-level, details orientated approach by adding a broader data-driven analysis of our client's field performance within the context of regional and global analogue datasets. This unique approach to understanding field value is enabled by the application of our industry leading software program, bMark™.

We are evolving with the industry and branching our focus to the energy transition, creating new intelligence and data-driven tools to inform decision makers in the energy revolution. As experts in maximizing asset performance, we are developing a new data-driven tool to optimize asset potential through Carbon Capture and Storage, facilitating net zero carbon goals for governments and operators worldwide.

Belltree's offices are based in the City Centre of Edinburgh, Scotland. Like many companies since the COVID-19 pandemic we have operated a hybrid office/home working model. Currently we work from the office on Wednesdays & Thursdays with employees able to choose to work from their home or from the office on the remaining days in a way that best balances their personal circumstances with work requirements. Therefore the candidate must be able to commute to central Edinburgh on a regular basis in order to fulfil their role.

When not in the office, the team connects with each other effectively via the Microsoft SharePoint / Teams environments ensuring that work remains collaborative and dynamic even when working remotely. The candidate will be provided with all IT requirements and full setup support to enable them to work effectively and efficiently from home.