



THE ACTION OF ONE

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[IcebreakerOne.org](https://icebreakerone.org)

Trust Framework Solutions Architect - Data Services

Contract: Fixed term - ASAP to December 2024
Location: Remote
Hours: Up to 3 days a week (Icebreaker One operates a four-day week, Mon-Thurs - for this role there is a requirement for core hours to cover Monday mornings and Thursday afternoons)
Rate: Up to £500 per day (contractor rate)

About Icebreaker One

We are a diverse collection of like-minded people whose expertise spans policy and science, finance and engineering, data and systems—working together to tackle one of the greatest challenges of our time. We need your help.

Our mission is to make data work harder to deliver net-zero outcomes.

Our approach

Fundamental to the success of our programmes is that solutions are developed in collaboration with the sector, for the sector and by the sector.

Our [Icebreaking](#) approach underpins all our work and feeds into continuous iterative development.

Research sits at the heart of our systems-based approach and spans climate, finance, policy and industrial sectors (e.g. energy, water, transportation, built world, agriculture).

Our Data Services team deliver market-facing services, including [Trust Frameworks](#) and <https://opennetzero.org>.

Our Membership, Community and Communications teams develop strategies that allow us to work in open, transparent ways and continuously seek industry feedback.

Icebreaker One has several strategic innovation programmes running currently. Two core ones that are relevant to this role are:

Project Perseus

There are more than 5.9 million small and medium-sized enterprises (SMEs) in the UK, accounting for an estimated £2.3 trillion in turnover. However, there is not yet a standard for SMEs to follow when reporting greenhouse gas emissions.

[Perseus](#) is developing whole-of-market solutions to create rapidly scalable, low-effort, low-friction sustainability reporting. As part of this work, Bankers for Net Zero (B4NZ) and Icebreaker One are running [Steering, Advisory and Working Groups in 2024](#) to inform the development of an environmental, social, and governance (ESG) data ecosystem which accelerates the transition to net zero.

The key goal for 2024 is to evolve the demonstrator, described in our [2023 report](#), into a working pilot.

Stream

[Stream](#) is part of the Water Breakthrough Challenge programme, and has received £3.9m over two years to unlock the potential of water data to benefit customers, society, and the environment. It aims to put in place technology and processes to remove the barriers to opening up and sharing water company data.

Led by [Northumbrian Water](#), Stream consists of a consortium of 16 water and professional services companies. In 2022, during the [Blueprint Phase](#), Icebreaker One worked with Stream to set up and launch an [interim Steering Group](#) to shape the governance structure of Stream, including to establish a lasting set of robust governance measures.

The role

Reporting

Responsible for delivery and reports to the CTO. Works closely with the Head of Product, Research & Development team (especially Perseus and Stream programmes), and programme and project managers. Liaises and collaborates with the Communications, Membership and Sales leaders.

Responsibilities

- Leading the delivery of technical trust framework features
 - Secure data exchange
 - Identity services
 - Automated monitoring and verification services
 - Performant, scalable system architecture
- Help trust framework member organisations onboard and operate with the services
 - Advise on their technical infrastructure planning
 - Help with configuration and setup questions
 - Provide guidance on data assurance, data licensing, and other metadata standards that represent trusted data practices
 - Develop technical documentation and other assets such as sample code, presentations and walkthrough videos to assist members
- Collaborate with Data Services, Membership and Communications teams to drive and meet deadlines and milestones
- Ensure all outputs are user-needs focussed and available in a manner that can be used in product development and productisation
- Work with key team members on road-maps, planning, resource needs
- Attending and contributing to daily stand up and show and tell meetings
- Attending and contributing to the internal team weekly meetings, Advisory Groups and research where necessary

Deliverables

Ensure the successful delivery of Trust Frameworks for relevant programmes by:

- Creating designs, specifications, requirements and other documents necessary to allow the Data Services, Membership and Communications teams to develop, operate and support Trust Framework implementation and operation
- Agreeing and documenting the technical requirements for the Perseus pilot, based on input from the advisory and steering groups
- Developing a change management process, including QA, for iterations of the trust framework implementations

Knowledge, Skills, Experience

Demonstrable experience of:

- Designing technical architectures for the web
- Open Banking or other public key infrastructure approaches to identity, authorization and authentication
- Scalability, performance and security concerns, and how to build them in, and trade them off
- Working on early-stage product specification and development

- Making strategic and tactical choices when inputs and desired outcomes are in flux
- Working effectively with multidisciplinary teams
- Effectively engaging people one-to-one, online and in person
- Using and applying Google Workspace, Slack and other tools for working remotely and in the open
- Working in a fast-paced, collaborative environment
- A highly collaborative, encouraging approach with the ability to help others understand how to achieve big-picture research objectives and goals
- The ability to work in a fast-paced, collaborative environment

Ideally, the successful candidate will also have understanding of:

- Data ecosystems, including data publishing, data licensing and data usage
- [Net-zero](#) standards, frameworks, methodologies (such as finance, ESG, energy)
- Data standards & licensing (e.g. Open Data, Shared Data)
- Market approaches to, and the dynamics of, the race to net zero
- Agile product development and innovation
- Sharing your work clearly and coherently with a wide audience
- Corporate/enterprise transition and change

Are you an Icebreaker?

The organisation has been built from within and intends to continue to do that in the future to encompass all flexibility - that's in our DNA and that's what makes us different.

Icebreakers have the energy, passion and tenacity to deliver the purpose of wide-ranging challenges. On top of that, it is not just about what you can do but also how you do it as a member of the IB1 team. Online or in person, we are all part of and will work together for the benefit of the mission, the team and the wider constellation.

Our aim is that everyone's team user experience (TUX) is about shared problem solving in an open, collaborative and 'critical friend' manner. We work in a supportive environment so that we can do and make things to the best of our abilities.

Icebreakers work with us on, sign up to and strive for the following in what they do and how they behave with their fellow Icebreakers and our wider community:

- A **collaborative** and **collegiate** approach - we are **open by default** - in a **fast paced** environment.
- It is what you can bring and what you want to achieve mixed with enthusiasm and a desire to do that alongside and not at the expense of others. This includes a willingness to help out and get stuck-in with any other reasonable tasks for your project that help us to achieve the deliverables.
- Appropriate use of feedback channels to share up front and friendly feedback - good friends honestly and fairly critique what each other does and it's ok to agree to disagree.

Benefits of being an Icebreaker?

- **Flexible working** - to help you work around your needs and commitments we don't have work or meetings booked on a Friday!
- **Remote working** - we may all be working remotely but it doesn't get in the way of us working closely. Regardless of whether working remotely is by choice or by

necessity - daily standups and regular work and non-work related hangouts mean you are not alone.

- **Supportive working** - bring and share what you know as you'll be working with people willing to learn and share knowledge and support from getting the most of the virtual / remote TUX through using GoogleDocs/GSuite to show and tell sessions ranging from essential research to sharing pictures of Christmas trees!

Apply today

Applications must be received by 0900 GMT 25th March 2024

Email a CV or links to pages that show us what you have done and can do to help us to achieve our mission to jobs@icebreakerone.org. As a team, we are committed to equality and creating an inclusive culture with diverse and balanced backgrounds.

We actively encourage applications from everyone and will help to support you to reach your full potential and to be yourself in a working environment based on dignity, respect and mutual support.

If you have any queries or need any advice or require any adjustments at any stage of the recruitment process please contact us at the email address above. Please note that before applying you will need to ensure you have the right to work or deliver services in the UK and can provide documentary evidence of this.