

Job description and person specification

Post:	Senior Front End Software Developer
Location:	Flexible. Primary base could be anywhere in the UK, but must be willing and able to travel to London and elsewhere (mainly UK) in connection with the role
Salary:	£70,000 - £85,000 depending on experience
Duration:	Full Time Role, Fixed Term Contract until April 2025
Reporting to:	Technical Programme Director, HDR UK

About Health Data Research UK

Health Data Research UK (HDR UK) is the national Institute for data science in health.

Our mission is to unite the UK's health data to enable discoveries that improve people's lives. Our 20-year vision is for large scale data and advanced analytics to benefit every patient interaction, clinical trial, biomedical discovery and enhance public health.

The UK is in a unique position to realise the potential of health data, thanks to the NHS and its cradle-to-grave records for a population of over 65 million people. However, safe and secure access to this data for researchers is often a lengthy, fragmented process, meaning the potential for improving healthcare is not being realised in full.

We are a dynamic, growing organisation, committed to accelerating trustworthy access to health data. By working in partnership with the NHS, industry, universities and patients, we aim to better understand diseases and discover new ways to prevent, treat and cure them.

Patients and the public are involved throughout the institute's work – ensuring that access to data for research is enabled by trustworthy, safe and secure systems and generates public benefit.

As a national charity, we are funded by UK Research and Innovation, the Department of Health and Social Care in England and equivalents in Northern Ireland, Wales and Scotland, and leading medical research charities. www.hdruk.ac.uk

At Health Data Research UK, we employ talented individuals who bring their own unique skills and experience to support the vision and benefit the whole team. Our values of transparency, optimism, respect, courage and humility guide how we work together within HDR UK, with our partners and other stakeholders.

HDR UK's strategy

Our goals are to:

- Accelerate trustworthy data use by implementing a national research data strategy and assembling infrastructure and services aligned to research and innovation needs.
- Empower researchers by valuing people with diverse perspectives and skills, committed to open and team science to advance scientific discoveries and deliver patient and public benefit.
- Promote partnerships by building and maintaining critical partnerships, aligning incentives and reducing complexity across a fragmented landscape to streamline health data science.

Purpose of the post

We are looking to recruit an experienced Senior Front End Software Developer to work on a pioneering project for Researcher Passporting and verification in partnership with many organisations across the UK.

The successful candidate will be expected to work within the Gateway agile software development team, providing development leadership and hands on implementation of key functionality and new concepts, primarily focused on the front-end aspects of the product. SPeeDI-AS (Safe People Digital Identity Attribute Service) is a new standard being developed with data providers, to significantly reduce the time to access data after request, by providing all relevant researcher information at the start and allowing a truly informed decision to be made.

Working alongside our partners, we'll be developing a common model standard that outlines the foundational criteria of proving researchers are 'Safe People', and developing a system that allows researchers to create a Passport for themselves or their organisation that builds an immutable history of their work and experience. Combined with existing authentication methods, institutes would issue encrypted claims to grant access, ensuring the entire process is seamless.

Main responsibilities

Main Responsibilities:

- Leadership of frontend software development for a single scrum team
- Implementation of features across frontend aspects of the Researcher Passports system
- Working with Solution Architect and Technical Programme Director on new technology concepts
- Working to an agile methodology, with fortnightly sprint deliveries and leading on sizing of user stories
- Documentation of code and solutions
- Debugging and reporting defects
- Team work expectations
 - Working with the Technical Programme Director and Senior Technical Programme Manager as part of the leadership team

- Collaboration with senior HDR UK members, technology teams and external technical partners, standards bodies

Key contacts / relationships:

The successful candidate will need to work collaboratively across HDR UK's internal organization and software design and development team. They will also be expected to co-work and collaborate externally with 3rd party system integrators, software vendors, infrastructure providers, standards bodies and end-users which include both researchers and data custodians across industry and academia.

Continuous improvement

HDR UK is dedicated to continuous improvement through our quality management system and has achieved ISO 9001 accreditation. The post-holder will review, analyse, identify and implement opportunities for quality improvement within their role and as part of the wider team through our strategy development and internal audit processes.

Experience, Skills, Knowledge

Essential:

- 5+ years software development experience in a senior role
- 2+ years experience working with NextJS/React using TypeScript
- 2+ years experience in any e2e testing framework
- 2+ years experience working with Git
- Experience consuming API's
- Working in an Agile / SCRUM team environment
- Proficient understanding of web markup, including HTML5, CSS3
- Basic understanding of server-side CSS pre-processing platforms, such as LESS and SASS
- UI/UX design
- Proficient in English

Desirable:

- MySQL knowledge
- Experience using Cypress and/or Jest test frameworks
- Experience building components in Storybook
- Experience using Confluence, JIRA, Trello and similar Agile project management tools
- An understanding of research delivery within the public sector, academia and/or industry
- Cloud computing platform skills (preferably GCP)
- Good understanding of SEO principles and ensuring applications adhere to them

Dimensions

- This is a full-time role.
- HDR UK is a national institute, and our activities take place across the UK. Travel in the UK may be required to partner organisations and other external events.

Application Process

How to apply:

Please apply via recruitment@hdruk.ac.uk with the following:

- Your CV
- A covering letter of no more than 500 words explaining what you can bring to this role.

Please contact recruitment@hdruk.ac.uk if you have any queries regarding your application.

The closing date for this vacancy is 01/03/24

Interviews will take place week commencing the 4th of March – these will be held virtually

Please contact recruitment@hdruk.ac.uk if you have any queries regarding your application

Equal Opportunities Policy Statement

Health Data Research UK is an equal opportunities employer, and as such aims to treat all employees, consultants and applicants fairly. It is our policy to provide employment equality to all, irrespective of:

- Gender, including gender reassignment
- Marital or civil partnership status
- Having or not having dependants
- Religion or belief
- Race (including colour, nationality, ethnic or national origins)
- Disability
- Sexual orientation
- Age

We are opposed to all forms of unlawful and unfair discrimination. All job applicants and employees who work for us will be treated fairly and will not be unfairly discriminated against on any of the above grounds. Decisions about recruitment and selection, promotion, training or any other benefit will be made objectively and without unlawful discrimination.

Safeguarding

HDR UK is committed to robust safeguarding policies, we expect everyone who works with us to share our commitment to safeguarding.