

## Supporting a thriving Parliamentary democracy

<b>Job Title:</b>	<b>Open Data Technical Lead</b>
<b>Salary:</b>	£50,870 - £62,643 per annum
<b>Team:</b>	Data and Search
<b>Number of Posts:</b>	1
<b>Contract Type/Duration:</b>	Permanent

### Team Information

The Parliamentary Digital Service, a joint department of both Houses of Parliament, provides technology and intranet services to all Parliamentary users. It is also responsible for the strategic direction of Parliament's digital offering through Parliament's Digital Strategy and the delivery and management of parliamentary digital platforms, including the website. We support Parliament through our team of over 450 dedicated and professional digital colleagues.

The Open Data team is responsible for setting and delivering Parliament's open data strategy and its open data resources and services. The key service is the open data platform.

We collaborate with teams across PDS and Parliament to understand their data, model it and deliver the data and data services.

### Job Information

The Open Data team is about to commence developing a new Open Data Platform for parliamentary procedure data, which will replace existing data platforms and the data integration and publishing services running off them.

We are looking for an experienced data integration technical lead who will be expected to spend the majority of their time developing and then supporting the new open data platform. The role will principally involve architecting and developing the Extract, Transform, Load (ETL) data pipeline framework for integrating upstream master data sources from parliamentary business systems into the Open Data Platform, as well as developing API's to expose the integrated procedural data as data services for internal and external clients, and migrating existing Data Platform services to the new Data Platform. The technical lead will be a key member of the open data team, reporting to the Head of Open Data.

## Responsibilities

- Plan and lead development of the open data platform.
- Coach and mentor more junior colleagues.
- Manage the production services they build.
- Find ways to improve system robustness, resilience, and stability.
- Ensuring high standards of quality in data products and services developed.
- Participating in the appropriate technical governance processes within the organisation.

## Security

Successful candidates will be required to complete pre-employment checks. This includes security vetting to Counter Terrorist Check (CTC) level or higher, as described in the job description.

All successful candidates are required to pass these checks before an offer can be confirmed.

You should be aware that if you have resided outside of the UK for a total of more than two of the last five years, you are not eligible to receive security clearance to work on the Parliamentary Estate.

[Click here](#) for further information.

## Hours

We welcome applications from candidates who wish to work part-time or as part of a job share. If you are selected for interview please inform the panel of the days/hours you are available to work, alternatively you can inform the recruitment team at any stage of the process.

## Bands A – E Positions

### (Full-time)

Net conditions full-time working hours for staff of the Parliamentary Digital Service and House of Commons are 36 hours per week. This excludes daily meal breaks of one hour. The exact daily times of attendance will be agreed with line management.

## Location

The primary location for roles at the Parliamentary Digital Service is on the Parliamentary Estate. However, during the COVID-19 pandemic in line with national restrictions the majority of the Parliamentary Digital Service Staff are temporarily working from home. In a small number of cases there is a business requirement for them to work by exception on the Parliamentary Estate.

It is the current intention that staff will begin to return to the Parliamentary Estate as Government guidelines change. However, the Parliamentary Digital Service are conducting an organisation wide review to look at how we develop increasingly flexible working arrangements including remote and hybrid working; we will be consulting staff as this develops.

## Workplace Adjustments

As an inclusive employer, the Parliamentary Digital Service and House of Commons supports individuals in need of workplace adjustments. The workplace adjustment process prevents, reduces or removes problems you might face at work. Adjustments can be requested to help with obstacles relating to mental

health, and physical or non-physical requirements. You can request a workplace adjustment if you have a disability or suffer from a difficulty or disadvantage in your workplace.

## Application and Selection Process

Further details will be provided if you are successful at the initial application stage.

We may ask you to complete a test, presentation or other assessment as a part of your recruitment process.

If you are invited to interview, we will ask you a combination of competency questions and role specific questions solely based on the criteria below. Any presentation or test requirements will be clearly communicated to you well in advance of your interview.

As a Disability Confident Leader, it is important that we are able to make appropriate arrangements or adjustments where necessary in order to create a full and equal participation in the selection process. If you require any reasonable adjustments, please contact the recruitment team to see how we can meet your needs.

## Our Values

The post holder will be expected to operate in line with the Parliamentary Digital Service workplace values which are:

**Care** – Caring for ourselves, each other, and the people who use our services

**Confidence** – Believing in the value of what we do and showing pride in our work

**Community** – Working together as one team and building communities to share skills and expertise

**Curiosity** – Learning, listening, and challenging to be the best at what we do

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## Skills and Experience

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### Criterion 1

Experience in successfully architecting, developing, delivering and managing a resilient and scalable data integration platform service.

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### Criterion 2

Demonstratable knowledge and experience of multiple Extract, Transform, Load (ETL) frameworks and approaches, for materialising data from master data sources -- via API, streaming data, RDBMS etc, in a cloud environment. Experience working with Azure Service Bus, Logic Apps and Functions an added bonus.

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### Criterion 3

Demonstratable experience in designing and developing API's for data – both search API's, feed API's etc. Experience with GraphQL and Opensearch an added bonus.

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### Criterion 4

Experience in architecting presentation layers to allow engagement with the integrated data. Examples include search interfaces and rich data applications.

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### Criterion 5

Experience with developing with RDF graph databases in the cloud. Knowledge and experience working with OWL ontologies, SPARQL and R2RML mappers an added bonus.