



Job Title	Senior Data Engineer
Contract Type	This is a permanent and pensionable appointment
Business Area	National Records of Scotland
Main Location	Ladywell House, Edinburgh, EH12 7TF
Salary	£31,266 - £35,813
Profession / Specialism	Digital, Data and Technology
DDaT Profession Pay Supplement and Professional Development	<p>This post is part of the Scottish Government DDaT profession.</p> <p>It attracts a £4000 DDaT Pay Supplement after a 9 month competency qualifying period. Pay supplements are temporary payments designed to address recruitment and retention issues caused by market pressures and are subject to regular review.</p> <p>As a member of the profession you will join the Professional Development Scheme, currently BCS RoleModel<i>plus</i>.</p>
Nationality Requirements	<p><b>Nationality requirements</b></p> <p>This job is broadly open to the following groups:</p> <ul style="list-style-type: none"> <li>• UK nationals</li> <li>• nationals of Commonwealth countries who have the right to work in the UKs</li> <li>• nationals of the Republic of Ireland</li> <li>• nationals from the EU, EEA or Switzerland with (or eligible for) status under the nationals <a href="#">Further information on nationality requirements</a></li> <li>• relevant EU, EEA, Swiss or Turkish nationals working in the Civil Service</li> <li>• relevant EU, EEA, Swiss or Turkish nationals who have built up the right to work in the Civil Service</li> <li>• certain family members of the relevant EU, EEA, Swiss or Turkish nationals</li> </ul>
Working Pattern	This is a full time vacancy, however applications from people wishing to work an alternative working pattern will be considered.



Guaranteed Interview Scheme	<ul style="list-style-type: none"><li>Applicants claiming a guaranteed interview will be invited for further assessment should they meet the minimum essential criteria listed in this document.</li></ul>
Reserve List	In the event that further posts are required, a reserve list of successful candidates will be kept for up to 9 months.
Further Information	Further information on the post is available from Alexander McCall who can be contacted on or at <a href="mailto:alexander.mccall@nrscotland.gov.uk">alexander.mccall@nrscotland.gov.uk</a> .  If you have any queries relating to your eligibility on the grounds of Nationality or Qualifications, or if you have any difficulty applying for this role, please contact <a href="mailto:recruitment@gov.scot">recruitment@gov.scot</a> .

## Information about the Business Area

National Records of Scotland (NRS) is a Non-Ministerial Department of the Scottish Government, supporting the Registrar General for Scotland and the Keeper of the Records for Scotland. Both roles are held by the NRS Chief Executive. NRS is the Scottish nation's record keeper and official source of demographic statistics – information about population, households, migration, vital events, life expectancy and electoral statistics.

NRS is going through a period of exciting change and 2022 will see the delivery of the first digital Census in Scotland. Alongside this NRS are delivering an ongoing programme of technology modernisations and improvements aligned with the Scottish Governments Digital, Cloud and Green IT Strategies.

## Information about the Role

As a Senior Data Engineer you will be part of our data team at our offices in Corstorphine, Edinburgh, working collaboratively across NRS teams on a variety of projects. You will implement data pipelines and the full lifecycle of data, delivering high quality digital services.

## Specific Duties

Recognise opportunities to re-use existing data flows.

Lead the build of data streaming systems.

Optimise the code to ensure processes perform optimally.

Lead work on database management.

Use data tools such as SQL Server, SSIS, to manage the storage and extract, transform and load processes for data, both in NRS managed datacentres as well as cloud based systems (Azure etc).

Understand, document, propose and implement data pipelines, ensuring the security, validity and timely transmission of data.

## Essential Criteria

Able to execute a wide range of DbA Microsoft SQL Server and SSIS skills and demonstrate knowledge of open source tools such as R or Python.

Provide clear communications to both technical and non-technical stakeholders

Investigate problems and opportunities in existing processes and create recommendations

Collaborate with other DbA, Architecture and development teams in order to assure a stable database infrastructure.

## Digital, Data and Technology (DDaT) in Scottish Government

This is a crucial time for digital, data and technology specialists as government harnesses digital technologies, skills and tools to transform public services. The DDaT Function comprises around 18,000 digital, data and technology colleagues across UK and devolved governments, and it is rapidly scaling up nationwide in the face of a rapidly changing society and circumstances.

Find out more about Digital, Data and Technology Profession in Scottish Government on [gov.scot](http://gov.scot)

Find out more about the UK wide Digital, Data and Technology Profession on [GOV.UK](http://GOV.UK)

## Application Process

To apply for this post, you will need to provide the information requested below via the online application process. These must be combined into one document as the system can only accept a single document upload per application.

- You should submit a CV (no more than 2 sides of A4) and a personal statement (no more than 750 words).
- Your CV and personal statement should include your career history and other relevant self-taught/non-work-related experiences that are relevant to the essential criteria for the role. Please also include detail of your responsibilities and achievements.

You should tailor your CV and personal statement to reflect the role you are applying for and clearly outline that you have the essential skills and criteria needed for the job.

Failure to submit a single combined document (CV and personal statement) will mean the panel only have limited information on which to assess your application against the essential criteria.

When reviewing your application we will be assessing your career history and achievements against the essential criteria for the role. We're looking for examples of things you have previously achieved or your knowledge in a particular field which are relevant to the role.

Where the criteria states that you must hold a qualification, you need only state that you do or do not hold the qualification and provide any other information you feel relevant.

We would recommend that you prepare your answers before you begin the online application process.

## Competencies Required

All roles in the Digital, Data and Technology profession are aligned to the [DDaT Competency Framework](#). This role is aligned to **DDaT Job Role** in the Data job family.

If you are selected to attend an assessment, we will ask you to complete a technical assessment and an interview as part of the processes. You will be tested against the technical competencies appropriate for the role as detailed on the framework.

The Skills for Success Competencies required for this role are shown below. You will be tested against these competencies at interview.

- People Management
- Communications & Engagement
- Analysis & Use of Evidence
- Improving Performance

[Scottish Government Competencies \(PDF\)](#)

[Competencies for Band B Roles \(PDF\)](#)