



Geoscience Database Engineer/Developer

UKRI – NERC – BGS

Keyworth, Nottingham

£24,435 to £26,560 per annum (depending on qualifications and experience and a specialist allowance of up to £3,000 may be payable for an exceptional candidate)

Full-Time – 37 hours a week (a range of flexible working options may be available)

Fixed Term Appointment – 3 years

About the role

We have an opportunity for a talented and motivated Database Engineer/Developer to join our Informatics Science Directorate at our Keyworth headquarters. This is a great opportunity to develop not only your own career but support the role of data in a modern, forward thinking geological survey.

The successful candidate will help build and maintain databases, many of which have a spatial and/or component, to deliver quality solutions that acquire, manage and deliver Geoscience data & information to a variety of stakeholders. You'll gain exposure to a variety of modern technologies, development-environments and information-architectures, all within an agile culture that encourages learning and development and the following of industry best-practice from inception to delivery.

Many of the projects worked on will be at the forefront of global efforts to address environmental challenges by combining scientific knowledge with emerging technologies. Several of our projects require collaboration with partners across the UK and beyond. The successful applicant will be expected to participate in projects that require travel overseas, working in-country for periods of up to approximately two weeks at a time (primarily Europe, Africa, Asia and/or Middle East) and be excited by the prospect.

About us

The British Geological Survey (BGS) is an applied geoscience research centre that is housed in UK Research and Innovation (UKRI) and affiliated to the Natural Environment Research Council (NERC). It is a world leading geological survey that provides a core science mission to inform government of science related to the subsurface and its interfaces and also undertakes applied research for solutions to earth and environmental processes, both in the UK and globally. It is funded directly by UKRI as well as through research grants and via private sector contracts.

BGS has an annual budget of approximately £60 million and employs 650 people. It has two main sites, a head office in Keyworth near Nottingham and the Lyell Centre, which is a joint collaboration with Heriot Watt University in Edinburgh. BGS works with more than 150 private sector organisations as well as having close links with 40 universities and sponsors approximately 100 PhD students each year.



About you

If you have many of the key skills below and you want to work for a forward-thinking environmental science institute at the forefront of global geoinformatics, then we would be very interested to hear from you.

- Highly motivated and technically competent.
- Experience in entity-relationship modelling for implementation within a relational database.
- Good SQL skills in a range of RDBMS which ideally would include Oracle.
- Experience in PL/SQL or other programming languages such as Python, PL/pgSQL, T-SQL or R.
- Have strong analytical capabilities to translate requirements into development.
- A good communicator who is able to work well across a range of different specialist areas.
- An enthusiastic learner, able to pick up new skills quickly.
- Team spirited and willing and excited by the prospect of working overseas.

What we offer

A generous benefits package is also offered, including a very competitive pension scheme, 30 days annual leave plus bank holidays, free parking and access to flexi-time. For a salary at the top end of the advertised range, you will also need to meet the desirable criteria detailed on the TopCareer.jobs website.

We also offer the 'Bike to Work' scheme, free parking, health and wellbeing support, social clubs and on-site sports facilities.

Please note that any internal BGS staff applying for this post would, if successful, be appointed to new UKRI Terms and Conditions and pay. Full details of the expectations of the advertised grade are available on request.

How to Apply

Applicants are required to include a cover letter outlining their suitability for this role. We would stress the importance of this paperwork in our selection process. **A well thought through application addressing the advertised essential and desirable criteria for the post will be considered far more favourably than a generic covering letter and CV.**

Applications are being handled by UK Shared Business Services, to apply please visit our job board at http://www.topcareer.jobs/Vacancy/irc248314_9158.aspx

Applicants who are unable to apply online should contact us by telephone on +44 (0)1793 867000.

Closing date for receipt of applications is 10 March 2019. Interviews will be held on 27 March 2019.



BGS provides a range of flexible working options including flexible working patterns, compressed hours and home working so if you have a need for flexibility, please raise this in the recruitment process when your needs, balanced with the requirements of the role, will be fully considered.

We are committed to promoting equality and diversity across our organisation as well as across all areas of our science community. As such, we aim to have a workforce with employees from all backgrounds with people who are passionate about earth science and who share our commitment to work for the good of the environment and the benefit of society.

We will actively seek to avoid discrimination on the grounds of age, being or becoming a transsexual person, being married or in a civil partnership, being pregnant or on maternity leave, disability, race (including colour, nationality, ethnic or national origin), sex or sexual orientation.

The British Geological Survey is an Investors in People organisation and has achieved Bronze status for Athena SWAN – a scheme that recognises an organisation’s commitment and progress in developing a diverse and inclusive workforce.



Specific Skills Criteria		
	<i>Essential</i>	<i>Desirable</i>
QUALIFICATIONS	<ul style="list-style-type: none"> Undergraduate degree in relevant subject or equivalent work experience 	
EXPERIENCE	<ul style="list-style-type: none"> High level SQL skills in a range of RDBMs which should ideally include Oracle Experience in PL/SQL or other programming languages such as Python, PL/pgSQL, T-SQL or R 	<ul style="list-style-type: none"> Work experience in a public sector (or commercial) environment Spatial and/or temporal data management



KNOWLEDGE	<ul style="list-style-type: none"> • Knowledge of entity-relationship modelling for implementation within a relational database • Experience of structured and unstructured databases • Comfortable working in a range of operating system environments (Windows, UNIX, LINUX, Mac OS) • Aptitude for gathering user requirements 	<ul style="list-style-type: none"> • Knowledge and/or experience of AGILE software development principles and supporting software development tools
SKILLS AND ABILITIES	<ul style="list-style-type: none"> • Good Communication skills – will be able to collaborate with various stakeholders, including users and other technical developers • Must show potential to effectively manage multiple simultaneous tasks • Can demonstrate problem solving ability • Can work in a flexible manner and is adaptable to changing priorities • Team spirited but is also able to work autonomously 	
PERSONAL QUALITIES	<ul style="list-style-type: none"> • Highly motivated and technically competent • Approachable • Alignment to BGS Core values • An enthusiastic learner, able to pick up new skills quickly • Capable of travel and working overseas for periods of up to two weeks at a time (primarily Europe, Africa, Asia and/or Middle East) and excited by the prospect 	
MOTIVATION	<ul style="list-style-type: none"> • Demonstrates an interest in their own Continuing Professional Development • Demonstrates an interest in the work of BGS 	<ul style="list-style-type: none"> • Enthusiasm for geology and the geosciences

