



Software REST API Developer

Salary: £28,200 per annum to £38,254 per annum depending on qualifications and experience

Location: BGS headquarters, Keyworth, Nottingham OR BGS Edinburgh

Term: Until 31st March 2020

The British Geological Survey (BGS) is the UK's premier provider of objective and authoritative geoscientific data, information and knowledge to help society to use its natural resources responsibly, manage environmental change and be resilient to environmental hazards.

The BGS has embarked on a £31 million, three year project to set up the UK Geoenergy Observatories project which will provide a group of science research facilities where new subsurface activities such as fracking for shale gas can be tested and monitored under controlled conditions, allowing rigorous, transparent and replicable observations of subsurface processes. More details are available at <http://www.bgs.ac.uk/research/energy/esios>.

Central to the project will be the creation of an informatics platform which will provide tools for managing, exploring, visualising and exploiting a wide range of geoscience information including real time sensor data.

We are recruiting a number of IT appointments including this software REST API developer position to create a dynamic new development team to build this platform. This is an exciting opportunity to focus the next phase of your career on the development of an IT infrastructure that will underpin research addressing many of the environmental issues that need to be answered for the development of home-grown, secure energy solutions.

You will be highly motivated and technically competent, a good communicator who is able to work well across a range of different specialist areas. We are seeking professionals with two to five years' experience, but welcome applications from recent graduates or anyone else with a willingness to learn and develop themselves. If the pen picture below describes you, or where you want to be in the future, and you want to work for a forward-thinking environmental science institute at the forefront of global geoinformatics, then we want to hear from you. A full list of essential and desirable skill requirements is available on request.

Key Skills

- High-level IT/IS development skills (Languages such as Java, Python, C++, SQL, javascript, HTML, CSS etc)
- Minimum two years web-based development experience and/or web service development
- Knowledge of REST architecture
- Prior experience with API Design using API description tools such as Swagger
- Demonstrate understanding and an ability to implement API management functionality relating to deployment, security, scalability and versioning.
- Demonstrable back catalogue of relevant previous work

You will have at least an undergraduate degree or equivalent work experience. A background in geoscience, environmental science or similar would also be desirable as would experience in working with spatial data. As important as your technical skills is your ability to work well in multi-disciplinary



teams. It is vital that you understand the importance of delivering what the customer needs and turning concepts and ideas into reality. You must possess excellent communication skills, both oral and written. You will be able to undertake multiple simultaneous tasks effectively, demonstrate problem solving ability and work in a flexible manner.

Starting salary will be between £28,200 per annum to £38,254 per annum depending on qualifications and experience. For a salary over £35,222 per annum you will need to meet the desirable criteria detailed on topcareer.jobs website.

This post is advertised as full time working hours (37 per week excluding lunch breaks) however we will consider applications from those who require more flexible arrangements.

BGS are able to offer a rich and rewarding career that values initiative and offers excellent personal development opportunities and benefits. You will be encouraged to interact with the latest technologies and utilise modern methodologies and principles for software development. Excellent training opportunities will ensure you maintain up-to-date, transferrable IT skills. You will be encouraged to attend conferences and write papers to promote your work. These opportunities are coupled with our generous benefits package encompassing flexible working and family-friendly policies including parental leave and childcare voucher scheme, a choice of company pension schemes, 30 days annual leave plus 10.5 days public and privilege holidays and free on-site parking.

Applications are handled by the RCUK Shared Services Centre; to apply please visit our job board at http://www.topcareer.jobs/Vacancy/irc241336_7203.aspx and submit your **up-to-date C.V. and covering letter**. We would stress the importance of this paperwork in our selection process. **A well thought through application addressing the advertised core and desirable criteria for the post will be considered far more favourably than a generic covering letter and CV.**

Applicants who would like to receive this advert in an alternative format (e.g. large print, Braille, audio or hard copy), or who are unable to apply online should contact us by telephone on 01793 867003. Please quote reference number IRC241336.

Closing date for receipt of application forms is 25 June 2017. Interviews will be held on Tuesday 1 August 2017 at our Keyworth office, Nottinghamshire.

The Natural Environment Research Council is an equal opportunities employer and welcomes applications from all sections of the community. People with disabilities and those from ethnic minorities are currently under-represented and their applications are particularly welcome. The British Geological Survey is an *Investors in People* organization and has achieved Bronze status for Athena Swan – a scheme that recognizes excellence in women's employment in science, technology, engineering, maths and medicine (STEMM) in UK higher education. There is a guaranteed Interview Scheme for suitable candidates with disabilities.

