



Career Summary

Career title: Full stack web developer, C#/Angular

Location: Wallingford/Flexible Workplace

Term: Permanent

We are looking for an experienced, professional full-stack web developer with a broad skill set and the enthusiasm and self-motivation to expand those skills further. Wallingford HydroSolutions (WHS) is a small, employee-owned business providing a wide range of services focussing on the water environment. Our software, both desktop and cloud-based, implements national design standards to provide real-world solutions to the challenges of the seasonal behaviour of rivers, flood mitigation, and climate change.

If you love to learn, innovate, share your enthusiasm for technology and see it adopted, this is the job for you. You'll work with hydrologists to incorporate their ideas and science into software that is genuinely useful to large and important organisations, informing decisions that affect all our lives, property and environment, and go home each day thinking you might just have made the world a slightly better place.

As usual we're looking for a good communicator and team player; for us this means being willing and able to exchange ideas with your colleagues so that our products work better, development becomes more efficient, and everyone's technical skills improve.

The pay band for this role is between £34,000 and £48,000, plus benefits that include 5% matched pension contributions, generous 40.5 day leave entitlement, tax-free bonus entitlement and flexible working.

The position is offered on a full-time or part-time basis located in our Wallingford office when C-19 conditions allow, with flexible workplace arrangements to suit individuals' circumstances.

Please email your CV and covering letter to jobs@hydrosolutions.co.uk by 25 October 2021.

About you

You will have a degree in a numerate subject, and demonstrable workplace experience of the following:

- Designing, developing, and documenting solutions written in C#
- ASP.Net MVC
- Front-end development using CSS, and Javascript tools/frameworks like jQuery, React, Vue or Angular (we use the latter)
- A scripting language. We use Python but are happy for you to cross-train from Ruby, Perl, Go etc
- SQL and relational database design and management
- Linux scripting and systems administration
- Test-driven development techniques including unit testing, automated test frameworks, and mocking/stubbing
- Distributed version control (e.g., Git, Mercurial)

Wallingford HydroSolutions Limited

Registered in England and Wales, No: 05025973

Registered office: Stables 4, Howbery Business Park, Wallingford, OX10 8BA

VAT Registration No: 851427138





Experience of the following would also be advantageous:

- MS Azure experience (App Service, Functions, Queues, Storage etc)
- RxJS and/or async C#
- Virtualisation with VirtualBox, Vagrant, or Docker
- Configuration management tools such as Ansible, Puppet, Chef
- Experience using GIS tools such as Geoserver, PostGIS, Leaflet, QGIS, ArcGIS
- Desktop application development using .Net

We'd love it if you could help expand our expertise in automated UI testing, CI, microservices, and load balancing.

We'll give you a short technical test at interview, designed to judge your skill level and approach to problem solving, not your ability to memorize the entire Windows API.

About WHS

Wallingford HydroSolutions (WHS) is an employee-owned water and environmental consultancy, established by the Natural Environment Research Council in 2004. We are well known throughout the UK as the developer of the Flood Estimation Handbook and LowFlows / Qube software. Since our formation we have grown to provide a comprehensive range of services focussing on the water environment.

We offer the following benefits:

- As a small, employee-owned business we provide a personable and dynamic work environment that rewards achievement. We provide tax-free bonuses to all staff and operate a separate performance-related bonus scheme.
- WHS has a generous 40.5 day holiday allowance (includes bank holidays). Staff may permanently trade in up to 10 days leave for increased salary.
- Staff are encouraged to take an annual 'Environment Day' to support environmental or educational volunteering projects.
- We operate a flexible working hours system.
- We have structured pay scales, and formal criteria for being promoted between grades. Thus the potential for career progression is clear for all staff.
- We hold annual staff events days: in the last few years we have canoed the River Wye and white-water rafted in Cardiff Bay.
- We provide a company pension scheme, with employer matched contributions of 5% of salary.
- We have a formal appraisal system matched by personal development plans and each member of staff has access to 5 days every year for targeted training and professional development.
- Our Wallingford office is a Grade II listed building located in a leafy and tranquil business park in on the banks of the Thames in South Oxfordshire, with an on-site restaurant, decent coffee, and excellent transport links to Oxford and Reading.

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