



**HWM-Water Ltd**  
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## WEB SYSTEMS SOFTWARE ENGINEER VACANCY

**COMPANY/LOCATION:** Halma Water Management – Cwmbran

**REPORTING TO:** Team Leader Web Systems

Halma Water Management (HWM), a division of Halma PLC, provides customers with the ability to manage their water, gas and electricity networks remotely, by providing remote data acquisition products and services. HWM designs and manufacture of products for remote acquisition, transmission by GPRS, IP and radio, aggregation on cloud systems and delivery of data relating to

- Performance of clean/waste water networks monitoring flow, pressure & quality (chlorine pH, temperature etc.)
- Consumption of water, electricity and gas for commercial metering applications.
- Detection of possible leaks in distribution systems and products for precise location of leaks utilising DSP technology.

Due to expansion of HWMs business into new territories and into new sectors such as waste water, environmental and gas monitoring, the position of software engineer is to be created to contribute to the development of cloud based software.

### SPECIFIC RESPONSIBILITIES:

1. To contribute to the design, development and maintenance of database-driven ASP.NET/C# Web applications with specific emphasis on usability, performance and scalability.
2. To contribute to the design, development and maintenance of back end data processing software for HWM cloud systems.
3. To agree priorities with the team leader, maintenance of issues lists and performance software development and testing as required.
4. To follow good practices such as coding standards, code audits, testing and use of standard tools and methods throughout all software development activities.
5. To consult with internal and external stakeholders in establishing and documenting software requirements.
6. To liaise with external software suppliers and consultants on software design, covering documentation, test specifications and consistent quality standards.
7. To support application field trials and issue resolution, both domestic and overseas. In order to perform this role, occasional international travel may be required.
8. To liaise with the product software (embedded/mobile apps) development team to agree interfacing and interoperability operability requirements, and in issue resolution.

### Desired Skills and Experience

Essential skills/experience:

VAT Registration No. 373 1763 46  
ISO 9001:2008 ISO 14001:2004  
Registered in England.  
Registration No. 01463016



A HALMA COMPANY



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1. Experience with web systems development using Microsoft Visual Studio.
2. Experience in web technologies (Javascript, JQuery, C#, asp.net).
3. Application development on Windows platform using C++ or C#.
4. Experience of SQL Database design & implementation.
5. Experience of distributed processing systems over IP.
6. Strong understanding of internet communications protocols (TCP/IP, UDP etc.)
7. Strong experience in an agile environment with frequently changing requirements and priorities.
8. Proven track record in problem solving with clear thinking.
9. Proven experience in dealing with both internal and external stakeholders.

Desirable skills/experience:

1. Experience in design and production of software for data processing, control and automation systems.
2. Degree in Software Engineering or Computer Science.
3. Excellent communication and report writing skills.
4. Experience of Android/iOS application development.
5. Experience of artificial intelligence or machine learning systems.