

Job Title: Graduate Software Developer

Unit/School: Library and Information Services

Grade: 4A/B

HERA: ISD52

## Core purpose of role

We are seeking a Graduate Software Developer to join our development team to continue to improve the services we provide to our staff and students.

Under the guidance of more senior staff, the post holder will be responsible for the development of application system projects and existing system development from initial scope and requirements gathering, solution design and architecture through to implementation and stakeholder acceptance.

In particular, provide high quality, professional and responsive support for the university's in-house, open source and bought-in information systems.

## Key responsibilities and contributions

- In accordance with Cardiff Met development standards, implement applications from systems analysis and development through to training and documentation.
- Undertake helpdesk support for supported applications to resolve any queries and problems, and liaising with software suppliers and users regarding their day-to-day system queries.
- Undertake applications set-up, customisation, deployment and maintenance of in-house, bought-in and open source applications.
- Contribute to the creation of testing plans and undertake functional and user interface/integration testing for application systems.
- In accordance with Cardiff Met development standards, ensure effective integration between applications.
- Ensure effective security and access control is incorporated into all applications to meet business requirements and to provide a robust, secure service to staff and students.
- Contribute to the assessment of system-wide impact analysis to ensure that new software upgrades and enhancements do not adversely affect other information systems.

- Assist with evaluating new application system developments as part of business system solutions appraisal. Carrying out assessments of costs, benefits and risk of potential solutions.
- Keep abreast of relevant development technologies, taking forward any potential ideas with the team.
- Attend corporate systems user forums, seminar, conferences, workshops and staff development training to learn and acquire new skills. This will involve overnight stay and may last for several days.

### **Person specification**

#### **Essential qualifications / Professional memberships**

- Degree or HND or equivalent qualification.

#### **Essential experience, knowledge and skills**

1. Demonstrable ability to develop using a modern web based programming language.
2. Practical knowledge of secure programming techniques, both generally and for the adopted programming languages.
3. Ability to design technical solutions.
4. Ability to manage data using SQL.
5. Ability to develop using CSS and HTML.
6. Effective interpersonal and communications skills.
7. Ability to work flexibly as a member of a team.
8. You will be expected to have undertaken a number of high quality development projects although not necessarily in a commercial environment.
9. Willingness and ability to learn new skills to meet new, diverse and changing business requirements.
10. Willingness and ability to undergo further internal/external development and training as and when required.

## Desirable

1. Good knowledge of software application development using MS SQL and Microsoft.NET Framework/Core (ASP.NET, C#.NET and Restful API).
2. Ability to design and administer databases within a relational database management system, using database management tools.
3. Experience of developing in a commercial environment.

## Welsh skill requirements

Welsh is essential to our students and staff and is a key part of our provision and services. For every position at Cardiff Met, proficiency in Welsh language is either essential or desirable. You can find information about the levels by viewing our booklet: [Welsh language skills levels](#). If a skill is listed as essential in the table below, please ensure you demonstrate this in your online application form.

Language level and general descriptor	Listening	Reading	Speaking	Writing
<b>A1 – Beginner</b> Can understand and use familiar everyday expressions and very basic phrases in Welsh.	Desirable /Essential	Desirable /Essential	Desirable /Essential	Desirable /Essential
<b>A2 - Basic user</b> Can deal with simple, straightforward information and communicate in basic Welsh.				
<b>B1 - Intermediate user</b> Can communicate, to a limited level, in Welsh about things that are familiar and/or work related.				
<b>B2 - Upper intermediate user</b> Can express myself in Welsh on a range of topics and understand most of a conversation with a native speaker.				
<b>C1 - Fluent user</b> Can communicate fluently in Welsh.				
<b>C2 - Master user</b> Can communicate fluently on complex and specialist matters in Welsh.				



### **Disclosure & Barring Service requirements**

This post does not require a DBS check.

### **Supporting information**

The University is a dynamic organisation and changes may be required from time to time. This job description and person specification is not intended to be exhaustive.

The University is committed to the highest ethical and professional standards of conduct. Therefore, all employees are expected to have due regard for the impact of their personal behaviour and conduct on the University, students, colleagues, business stakeholders and our community. Each employee must demonstrate adherence to our Code of Professional Conduct. In addition, all employees should have particular regard for their responsibilities under Cardiff Metropolitan University's policies and procedures.