

Job Title: Software Developer

Unit/School: Library and Information Services

Grade: 6A/B

HERA: ISD39

Core purpose of role

Joining an Agile and collaboration software development team, the post holder will be responsible for the full development lifecycle of application systems projects and existing system development from initial scope and requirements gathering, solution design and architecture through to full implementation and stakeholder acceptance.

The post holder will build on their Cloud and .Net 6 skills, utilising numerous Azure resources whilst delivering secure, resilient systems that meet the needs of the University. Integrations with current systems will also be delivered, including the Student Record System and the Student Learning Environment.

Key responsibilities and contributions

- Implement scalable, high quality, secure and high performant in-house applications through systems analysis, specifications, designing, programming, testing, deployment, user training and documentation.
- Rewrite current legacy applications using agreed systems architecture and assist in the transition to the cloud.
- 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 new and existing in-house, bought-in and open source applications.
- Collaborate with relevant users to ensure effective integration of applications to eliminate duplication of data entry, where possible, using adopted integration standards and middleware.
- Collaborate with University departments and assist in creating test plans and undertake functional and user interface/integration testing for new/modified application systems.
- Provide user documentation, user training and training materials for the use of information systems.
- Maintain and improve existing systems by monitoring and correcting software defects and performance issues through telemetry data.
- Evaluate new application system developments as part of business system solutions appraisal. Carrying out assessments of costs, benefits and risk of potential solutions.

- Identify, assess and assist in the development of relevant technologies to extend and support information systems. Engage with appropriate users to develop and support the implementation of such technologies to meet their requirements.
- Maintain an up to date knowledge of IT developments generally and in particular software analysis, design and programming tools. Evaluate their application in higher education by undertaking training, attending workshops and online seminars.
- Undertake IT related projects, to meet Cardiff Met's business requirements, as directed by line management. Projects may involve a high degree of team work and collaboration or may be your sole responsibility.
- Continually update technical knowledge and skills by attending corporate systems user forums, seminars, conferences, workshops and staff development training and using internal training courses such as PluralSight. This may involve over-night stays and, in some instances, last for several days.

Due to the nature of this role, you will occasionally be required to attend team planning sessions, meetings etc. and this will require working from campus. Outside of these times, you will be able to utilise home working to suit.

Person specification

Essential qualifications / Professional memberships

- Degree or HND or equivalent qualification.

Essential experience, knowledge and skills.

1. Good knowledge and competency in business analysis and design methodology.
2. Thorough knowledge of RDBMS e.g. SQL Server, Oracle.
3. Practical knowledge of web development including, CSS, HTML, HTTPS.
4. Practical knowledge of secure programming techniques e.g. OWASP, both generally and for the adopted programming languages.
5. Ability to design technical solutions to meet strategic and business requirements.
6. Experience of relevant and successful software application development using MS SQL and Microsoft.NET Framework/Core (ASP.NET, C#.NET and Restful Api).
7. Effective interpersonal and well-developed communications skills.
8. Ability to work flexibly as a member of a small team and to manage your own workload.
9. Ability to learn new skills and technologies quickly.
10. Willingness and ability to learn new skills to meet new, diverse and changing business requirements.
11. Willingness and ability to undergo further internal/external development and training as and when required.

Desirable

1. Experience in Azure Development.
2. Experience in utilising Azure Devops for CI/CD.
3. Experience of working in an Agile 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
A1 – Beginner Can understand and use familiar everyday expressions and very basic phrases in Welsh.	Desirable /Essential	Desirable /Essential	Desirable /Essential	Desirable /Essential
A2 - Basic user Can deal with simple, straightforward information and communicate in basic Welsh.				
B1 - Intermediate user Can communicate, to a limited level, in Welsh about things that are familiar and/or work related.				
B2 - Upper intermediate user Can express myself in Welsh on a range of topics and understand most of a conversation with a native speaker.				
C1 - Fluent user Can communicate fluently in Welsh.				
C2 - Master user 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.