

Job Title: Software Developer

Unit/School: Library and Information Services

Grade: 6A/B

HERA:

Core purpose of role

We are embarking on an ambitious transformation of our integration landscape at the University, moving away from the current unsustainable point-to-point "complex web" architecture that connects numerous applications directly to our Student Record System (SRS) and to each other. This setup has led to significant challenges, including redundancy in code and connections, high maintenance burdens from propagating changes across multiple points, and scalability limitations as new applications or sources exponentially increase complexity amongst others. By developing a modern Central Integration Hub—leveraging cloud-based technologies for standardised data ingestion, transformation, orchestration, unified API exposure, and robust monitoring—we will deliver substantial benefits for our university.

We are seeking a talented Software Developer to join our collaborative Agile development team and play a key role in delivering this transformative Central Integration Hub; while continuing to enhance the services we provide to our staff and students. As part of a dynamic team, you will take ownership of the full development lifecycle—from requirements gathering and solution design through to architecture, implementation, and stakeholder acceptance—for both new projects and enhancements to existing systems. Building on your expertise in Azure Cloud and .NET, you will utilise a wide range of Azure resources to create secure, resilient integrations, including connections to the SRS and Student Learning Environment, all while contributing to a more scalable, efficient, and future-proof integration ecosystem for the University.

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. Strong hands-on experience with Microsoft Azure cloud services, including Azure App Services, Azure Functions, Azure API Management, Azure Service Bus, Azure Logic Apps, or similar integration and hosting platforms.
8. Effective interpersonal and well-developed communications skills.
9. Ability to work flexibility as a member of a small team and to manage your own workload.
10. Ability to learn new skills and technologies quickly.
11. Willingness and ability to learn new skills to meet new, diverse and changing business requirements.
12. Willingness and ability to undergo further internal/external development and training as and when required.

Desirable

1. Experience in utilising Azure Devops for CI/CD.
2. 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	Desirable	Desirable	Desirable
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.