



SECTION 1: JOB DETAILS

Job Title:	Senior Web Developer
Directorate:	Collections and Digital Services
Department:	Digital Infrastructure
Section:	Web Design and Development Section
Grade:	4
Salary:	£26,209 - £33,817
Contract:	Permanent
Reports to:	Head of Web Design and Development

Overall purpose of the role:

The post holder will lead in the development and support of the Library's web estate, such as the internationally renowned large-data sites newspapers.library.wales, journals.library.wales and places.library.wales. These core sites along with other smaller websites, the main website and catalogue, utilise established data frameworks such as [IIIF](#) and technologies such as [Solr](#) and the [Universal Viewer](#) to deliver digital objects to our millions of users each year.

The work will be based on international standards and best practice in coding, design, useability and accessibility.

The post holder will demonstrate: attention to detail, the ability to interpret requirements and express new ideas within multidisciplinary teams, strong interface development skills, solid experience of HTML, CSS, PHP frameworks, testing and deployment procedures, and code-supervision of developers within their team.

SECTION 2: THE DIRECTORATE

The Collections and Digital Services Directorate is primarily responsible for the collection, preservation and access to the collections in the care of the Library in accordance with its core functions. In this context, access means a wide variety of activities including services and activities on site, online and in communities across Wales. The work of the Directorate is central to realizing the Library's vision of an institution that:

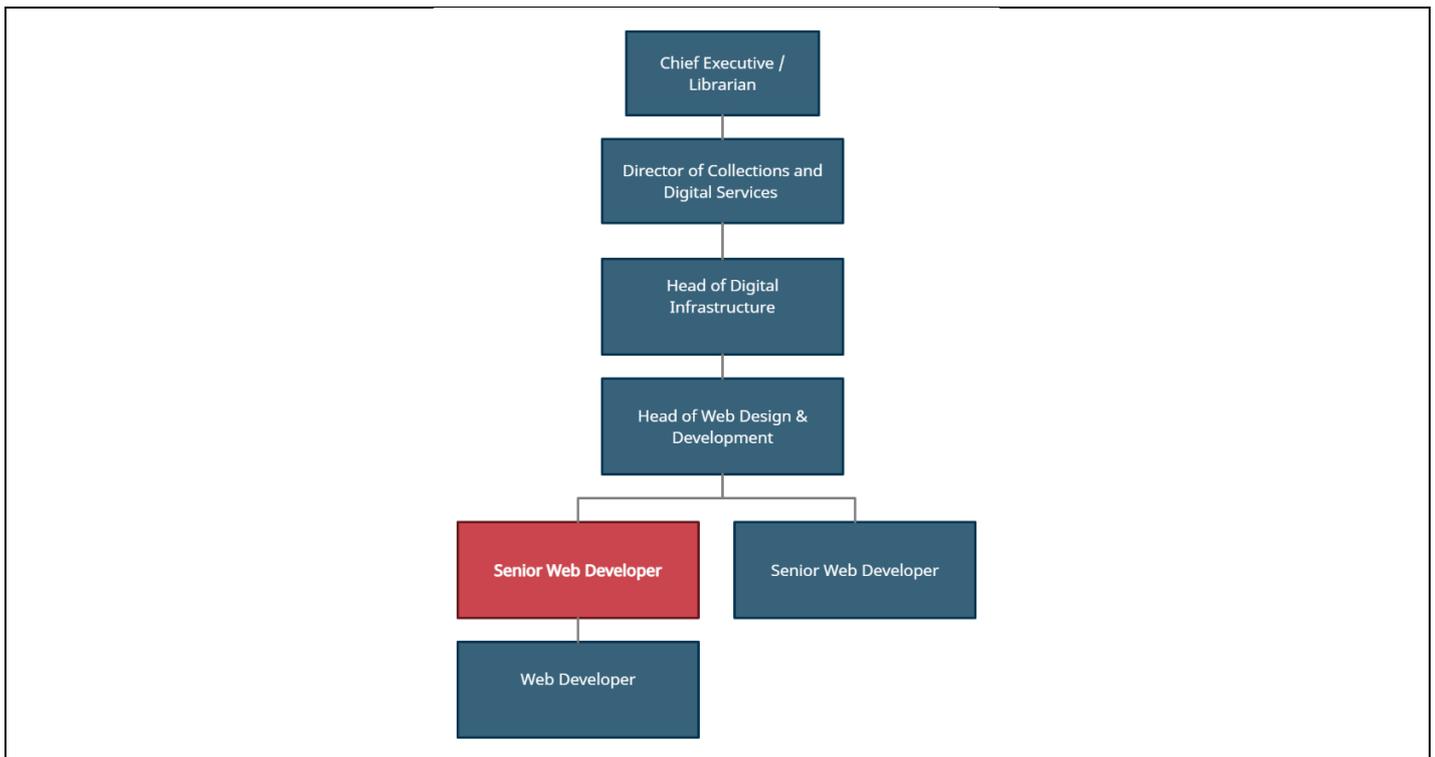
".. delivers change for the better for everyone in Wales now and in the future, and to be open, innovative and progressive national library."

Through its work the Directorate needs to enable the Library to achieve its strategic and well-being goals which are:

1. Cultivate and care for the nation's memory
2. Lay the foundation for knowledge economy
3. Be at the heart of national life
4. Empower learning and research

The Library's collections include books, newspapers, maps, archives and manuscripts, as well as photographs, photographs, audio-visual material, websites and digital content of all kinds. Alongside the collections, the skills and expertise of the staff of this Directorate are absolutely essential to ensure that the Library can unlock the potential of these collections to enrich and enhance the lives of the people of Wales and beyond.

SECTION 3: ORGANISATIONAL CHART



SECTION 4: KEY DUTIES

The main duties are to lead on the development and maintenance of the Library's core web interfaces, to ensure the delivery of the Library's Operational and Strategic Plans, including:

1. Develop, maintain and extend the Library's core big data sites to ensure the best experience for the Library's users;
2. Maintain and support all internal and external interfaces that support the day-to-day business of the Library;
3. Support and develop innovative approaches to developing web interfaces as part of multidisciplinary Agile teams;
4. Adhering to modern deployment, testing and security standards, and leading on best practice, including usability and accessibility;
5. Lead on code-supervision as part of peer-programming, and approve code deployment within the Section;
6. Produce and oversee documentation of interfaces and procedures developed;
7. Deputise for the Head of Web Design and Development at internal and external working groups and committees when required;
8. To develop knowledge of the work of the Library;
9. To undertake any other work which is deemed suitable for the grade;
10. Maintain a general understanding of 'Data Protection' and 'Freedom of Information' legislation.

This Job Description is provided to give post holders a broad outline of the activities involved in this role. The Library may require other duties to be undertaken which are not necessarily specified on the Job Description but which are commensurate with the scale of the post. The Job Description may be amended from time to time within the scope and level of responsibility relevant to this post.

SECTION 5: RESPONSIBILITY

Responsibility for people: This post is directly responsible for a B3 Web Developer, including responsibilities for codebase supervision and approval of products developed and those on external project contracts.

The supervisory responsibility for ensuring security and safety of the Library's web-available products lies with the Senior Web Developer.

Responsibility for budget management: This post does not involve responsibility for managing finance.

SECTION 6: RELATIONSHIPS WITH OTHERS

Internal: Web Design and Development Section Staff

Nature of Contact: Daily supervision and approval of code generated, provide advice and troubleshooting expertise to solve problems and ensure continuity of development standards.

Internal: Project staff and Section Managers

Nature of Contact: Exchange data and information daily about the expectations of interface and system functions, including receiving feedback.

Internal: Operations Section

Nature of Contact: Preparing operational documentation, receiving bug reports, liaising over changes made to the web infrastructure and delivery systems and offer solutions to problems encountered in service delivery. Provide guidance and technical support for bespoke internal systems and provide solutions for external web-related enquiries on an immediate and weekly basis.

Internal: Project teams

Nature of Contact: Participate fully as an agile team member in all ceremonies and lead in Agile best practice.

External: Software companies and developers

Nature of Contact: Liaise with and co-develop products (such as the Collections Viewer) either paid-for or shared to the community on a daily and weekly basis during specific development cycles.

External: Externally funded projects

Nature of Contact: Provide infrastructure, architecture and guidance on the implementation of project interfaces and data integration.

External: Relevant development communities and third-party suppliers

Nature of Contact: For support, guidance, integration advice and information on the latest developments and standards.

SECTION 7: PROBLEM SOLVING

As an expert in the field of Web Development, the post-holder will be required to manage and identify steps to resolve all technical problems arising on projects, tasks and reported problems, and from projects and code assigned to fellow web developers. When necessary discuss with other senior members of the Web Design and Development Section to assist in solving problems in related specialist areas but rarely needs to refer to line manager for guidance on coding decisions.

SECTION 8: DECISION MAKING

Decide on immediate priorities following guidance from the Head of Web Design and Development and in cooperation with other Digital Infrastructure and Project staff.

The post holder will be expected to make other relevant decisions required to sustain their work.

SECTION 9: PERSON SPECIFICATION

	ESSENTIAL	DESIRABLE
Knowledge / Education	<ul style="list-style-type: none"> ▪ Extensive applied knowledge of HTML and CSS frameworks (eg Bootstrap); ▪ Active knowledge of PHP Frameworks (OO preferred); ▪ Developing rich web applications with Javascript; ▪ Integration of data sources (eg SQL and solR); ▪ Demonstrable ability to create and adapt design layouts and wireframe models for cross-platform delivery; ▪ Working with software versioning and revision control systems such as git/svn; ▪ Working knowledge of applying web accessibility and usability standards and models and an appreciation of issues such as bilingual interfaces; ▪ Ability to produce technical and user-focused documentation; ▪ Excellent organisational and planning skills; ▪ Ability to work on own initiative and as part of multidisciplinary teams; ▪ Ability to prioritise multiple tasks and meet strict deadlines; ▪ Excellent communication and interpersonal skills, including the ability to communicate effectively, both oral and written, in English. 	<ul style="list-style-type: none"> ▪ Practical knowledge of Agile frameworks; ▪ The ability to communicate orally in Welsh.
Experience	<ul style="list-style-type: none"> ▪ A good degree in a relevant subject or a professional qualification in web application development and experience of web development in a professional capacity; ▪ Experience of developing web applications and interfaces to strict web standards, working with content providers and integrating data from a variety of sources. 	<ul style="list-style-type: none"> ▪ Management and code supervision of others; ▪ Experience of working as part of an Agile team.