



1 Advertisement

Post Title: Senior Officer Web Developer

School/department: Brighton and Sussex Medical School

Hours: part time or full time hours considered up to 36.5 hours per week. Requests for flexible working options will be considered (subject to business need).

Contract: fixed term for 12 months

Reference: 9602

Salary: starting at £31,411 to £35,333 per annum, pro rata if part time

Placed on: 01 November 2022

Closing date: 01 December 2022. Applications must be received by midnight of the closing date.

Expected Interview date: TBC

Expected start date: ASAP

The Anatomy team at Brighton and Sussex Medical School (BSMS) is seeking to appoint a skilled Web Developer, to join a team of academics, clinical faculty and technical staff who are working to develop a comprehensive web-based platform that will securely host and deliver a large and growing collection of surgical (virtual reality and 360 videos) and human anatomy education videos. You will be part of the Anatomy, Virtual Reality in Medicine and Surgery (VRiMS) and Technology Enhanced Learning (TEL) team at BSMS.

Working independently, you will take responsibility for the design, development, integration, testing and documentation of the bespoke web-based platform. You will have demonstrable understanding and experience of building web-based platforms and using large volumes of multimedia data. The successful applicant will need to work with a high degree of independence and collaborate with multiple teams and departments within a Higher Education context.

VRiMS is a new, immersive experience for clinical demonstrators of medical and surgical techniques and simulation training. It uses virtual reality (VR) and augmented reality (AR) technology. VRiMS now has more than 450 videos filmed in virtual reality from 10 surgical specialties.

The Anatomy team, located in the Medical Teaching Building on the University of Sussex campus, Falmer, is an integral part of learning at BSMS. It is also utilised by the Universities of Brighton and Sussex's health professional programmes and hosts a considerable number of external events including surgical training courses. The team also has a range of human cadaveric dissection teaching videos which will also form part of the web-based platform.

The post is funded for 12 months in the first instance with a possible extension based on achievement and funding availability.

Please contact Steve Bowman (s.bowman@bsms.ac.uk) for informal enquiries.

For full details and how to apply see our [vacancies page](#)

www.brighton.ac.uk/jobs www.bsms.ac.uk

The University of Sussex values the diversity of its staff and students, and we welcome applicants from all backgrounds.

Please note: The University requires that work undertaken for the University is performed from the UK.

2. The School / Division

Please find further information regarding the school at <https://www.bsms.ac.uk/index.aspx>

3. Job Description

Job Description for the post of: Web Developer

Department: Anatomy

Section/Unit/School: Brighton and Sussex Medical School

Location: Remote working (work from home) with occasional travel to Brighton and Sussex Medical School, Falmer campus.

Grade: 6

Responsible to: Medical School Librarian and Technology-Enhanced-Learning Lead and managed on a day-to-day basis by the Senior Learning Technologist, BSMS.

Responsible for: Not Applicable

This Job Description sets out current duties of the post that may vary from time to time without changing the general character of the post or the level of responsibility entailed.

Key Responsibilities:

1. **Design and create a web-based platform that will securely host and deliver a large collection of educational videos, in collaboration with the Anatomy, VRiMS and TEL teams, and manage their deployment and maintenance.**
 2. **Work in compliance with relevant policies and procedures and in cooperation with IT services of the parent universities.**
 3. **Undertake other duties as required from time-to-time as directed by the Senior Learning Technologist and Anatomy team.**
-
- 1 **Design and create a web-based platform that will securely host and deliver a large collection of educational videos, in collaboration with the Anatomy, VRiMS and TEL teams, and manage their deployment and maintenance.**

- 1.1 Lead on the building of the web-based platform to securely host surgical and anatomical teaching videos and add interactive features such as search, filter, and login functions.
- 1.2 Contribute to the support and maintenance of the bespoke web-based platform.
- 1.3 Take responsibility for the specification, design and resolving issues independently where they fall within set role objectives.
- 1.4 Agree appropriate design standards, methods, and tools in consultation with the relevant teams.
- 1.5 Ensure that all work is documented using the appropriate standards, methods, and tools.
- 1.6 Maintain market awareness, assess software packages on their ability to meet all or parts of specified requirements and advise colleagues and management on their technical suitability.
- 1.7 Liaise with colleagues where appropriate on cost benefit analyses, risk analyses and development plans.
- 1.8 Liaise with external suppliers and contribute to the assessment and selection of suitable software packages to meet all or parts of specified requirements.
- 1.9 Maintain an awareness of operational requirements especially in terms of service levels, availability, response times, security, and repair times.
- 1.10 Provide technical expertise, advice, and guidance on all aspects of design and technology within your remit and communicate programming requirements and solutions to non-programming staff clearly and effectively
- 1.11 Review technology costs against planned budgets, liaise with technology suppliers of equipment, software, and services to maximise value and return on investment.
- 1.12 Ensure that all tasks and procedures are carried out effectively and efficiently to agreed levels of service. Produce statistics for use in measuring key performance indicators (KPIs).
- 1.13 Ensure that problems are managed in accordance with agreed standards and processes, and that escalation procedures are adhered to, ensuring that complex and high impact problems are dealt with effectively.
- 1.14 Establish relationships with key contacts to ensure role objectives are met, developing appropriate communication links with internal and external stakeholders as required.
- 1.15 Attend relevant internal and external meetings.

2 Work in compliance with relevant policies and procedures and in cooperation with IT services of the parent universities.

- 2.1 Follow relevant UK Human Tissue Authority (HTA) and BSMS Anatomy policies and Standard Operational Procedures (SOPs) related to the use of cadaveric videos.
- 2.2 Ensure the regulations and principles described in the UK General Data Protection Regulations (GDPR) is followed and be able to conduct a full GDPR assessment for the bespoke web-based platform.
- 2.3 Work with IT service teams at both parent universities to ensure that the digital learning resources operate effectively within and alongside existing IT systems and are compliant with relevant policies and securities.
- 2.4 Abide by applicable policies on health and safety and equality and diversity of the school and parent university.
- 2.5 Follow general best practice for web-based platform development.

3 Undertake other duties as required from time-to-time as directed by the Senior Learning Technologist and Anatomy team.

- 3.1 Perform other duties occasionally which are not included above, but consistent with the role.

4. Person Specification

Qualifications	Essential	Desirable
Degree in an appropriate discipline or equivalent training or experience	X	
Higher qualification in the relevant specialist subject area (e.g., computer science)		X
Evidence of continuous personal and professional development	X	

Knowledge and Experience	Essential	Desirable
Knowledge and experience of building web-based platforms, including web databases, front end interfaces, and using web development frameworks	X	
Knowledge and use of the Domain Name System (DNS) and Apache webserver	X	

Experience of the full software development lifecycle including user stories, test driven development, agile or iterative delivery methodologies	X	
Demonstrable experience of writing good quality maintainable code for large scale web or mobile applications using e.g., PHP, HTML, CSS and JavaScript and consuming APIs.	X	
Proven experience in developing new processes and procedures and of utilising toolsets for monitoring, auditing, and reviewing service support performance.	X	
Excellent and proven relationship management skills with experience of managing the requirements of stakeholders	X	
Experience of web authentication systems such as ADFS and SAML	X	
Understands the context and values of Higher Education and healthcare training	X	

Skills and Abilities	Essential	Desirable
Skills in networking and liaising	X	
Able to solve problems and develop plans	X	
Clear, concise, coherent, accurate, and persuasive written and oral communication skills	X	
Able to explain technical matters in a clear, non-technical way	X	
Able to learn new technology rapidly and continuously	X	
Able to carry out research, analyse data, construct, and disseminate reports to a range of audiences	X	
Able to plan and deliver training on a one-to-one and a group basis	X	
Able to undertake all the physical requirements of the job, such as extensive use of keyboard, mouse, and display screen equipment according to health and safety guidelines	X	
Able to manage multiple tasks, prioritise, and meet agreed deadlines	X	
Able to work with multimedia containing detailed, graphic images of human dissection and surgery on cadavers and live patients	X	

Personal Attributes	Essential	Desirable
----------------------------	------------------	------------------

Takes the initiative and is pro-active	X	
Can work as part of a team and independently	X	
Listens well and considers others' needs and perspectives	X	
Shows good attention to detail	X	
Good time-management and self-motivation	X	
Demonstrates professional attitude	X	
Commitment to learn new skills and to keep abreast of current field specific developments	X	
High level interpersonal and communication skills with the ability to build and maintain effective collaborative professional relationships with individuals and professional networks	X	