



UNIVERSITY
of York

Senior Web Systems Developer

Department: PCMIS Health Technologies Ltd
Hours of work: 37 hours per week / Full time
Contract type: Open contract
Salary: £40,927 – £50,296 per annum / Grade 7



Introduction

We have an exciting opportunity for a Senior Web Systems Developer to join the existing PCMIS Health Technologies Ltd team and play a key role in leading the development team and supporting the development of PCMIS. This includes developing new digital health tech roadmaps, implementation of large scale integrated web services and patient portal technologies designed to support mental health and related health care services for external NHS and Mental Health organisations. As a hands on role, you will be responsible for day to day management of the development team and lead on system development to implement new co-designed features in PCMIS, patient portals, system integration and associated web technologies to NHS partners, Mental Health organisations and health related charities.

PCMIS, an award winning web based innovative Case Management System, supports over 12,000 health care professionals in the UK, Australia and Hong Kong, providing services to the NHS as part of the national Improving Access to Psychological Therapy (IAPT) programme, as well as children and young person services, military veterans, HE student services, research trials and a range of other healthcare services. PCMIS aims to make a difference to public wellbeing through the use of innovative evidence based research to improve patient care and wellbeing across care pathways.

A graduate, you will have experience of web systems development and deployment, coupled with good organisational, problem-solving and interpersonal skills.

Main purpose of the role

As senior web systems developer, you will be required to be hands on and manage a team of developers and together design, test, implement and manage large-scale digital health services to meet customer requirements, in a post which requires a combination of technical expertise, creativity and strategic thinking. You will be part of a small team that works closely to achieve the highest standards of technical excellence and customer support. There will be plenty of scope for initiative coupled with access to many of the latest technologies.

In addition to day-to-day development and management of the PCMIS services, you will contribute to the design and deployment of integrated digital health web services. Over the coming year you will be required to lead on projects such as large scale integration projects, working with the PCMIS business team to develop roadmaps and co-design new product features by working in partnership with clients.

Key responsibilities

(Role holders will be required to undertake some or all of the duties below)

System development

- Direct the allocation of work and ensuring that tasks are completed to a high standard and within agreed timeframes and that changes are implemented effectively;
- Day to day line management of the onsite and remote development team;
- Manage the professional development and capability of the development team, to ensure that they efficiently meet the current and future service needs of the Business;
- Liaise and build relationships with key stakeholders including Business and BA Team and external clients to ensure that detailed technical requirements are understood in the design and implementation of new developments;

- Design and implement new PCMIS and associated web applications features, API's, web based services to support PCMIS product development and customer requirements;
- Manage and develop the infrastructure necessary to maintain agreed levels of service provision and to support development plans, including source control, testing and release management;
- Prepare detailed project plans for upgrades and developments to web services;
- Integrate new and existing web services with appropriate external Health Systems;
- Provide relevant training, support and advice to the PCMIS team;
- Work with the PCMIS Client Engagement Managers to ensure customer service requirements are met;
- Track developments in web technologies and standards.

System administration

- Install, configure and maintain web based systems and services;
- Ensure optimal availability, security and performance of the web infrastructure;
- Work closely and supportively with other systems and database administrators and with colleagues who provide end-user support for web based services; acting as project manager for specific projects;
- Provide cover for critical systems;
- Contribute to system documentation and best practice guidelines.

Person specification

	Essential / Desirable
Qualifications	
Degree level qualification in Computer Science or a related discipline.	Essential
ITIL Foundation certified.	Desirable
Knowledge	
In-depth knowledge of database and web technology including Microsoft ASP.NET (C#/VB), MVC, Microsoft Visual Studio, Microsoft SQL Server, JavaScript/jQuery, AJAX and CSS.	Essential
Knowledge of web based applications in a health care environment.	Desirable
Knowledge of Mental Health or Health related research areas.	Desirable
Knowledge of NHS England's Improving Access to Psychological Therapy Programme (IAPT) and associated Mental Health Services Datasets.	Desirable
Skills, abilities and competencies	
Able to explore and interpret end user requirements and communicate with end users in a non-technical style.	Essential
Able to administer Microsoft SQL Server and IIS Web Services.	Essential
Skilled in the programming languages Dot Net (C# and VB) and JavaScript/jQuery.	Essential
Proven experience of successful web system development.	Essential
Possesses excellent organisational skills.	Essential
Able to communicate with colleagues (verbal and written) with varying degrees of IT literacy.	Essential
Project management and team leadership skills.	Essential
Demonstrates meticulous attention to detail and high standards of work.	Essential
Able to work independently and as part of a team.	Essential
Able to prioritise between several projects and tasks appropriately.	Essential
Able to demonstrate good communication and problem solving skills.	Essential
Ability to organise, prioritise and present work.	Essential

Ability to work in a consistently reliable and accurate manner while working to tight deadlines.	Essential
Knowledge of development and clinical coding standards.	Desirable
Experience of using source control and development planning and tracking tools, Azure DevOps, JIRA, Trello etc.	Desirable
Understanding of data security protocols, MVC Web API Services and TLS.	Desirable
The ability to develop team members through training, mentoring and coaching.	Desirable
Experience	
Experience of delivering a professional IT service involving web systems development.	Essential
Experience of planning, testing, documenting and implementing new IT systems using a rigorous, methodical approach.	Essential
Experience of designing and the technical administration of large-scale IT services.	Essential
Prioritising across several projects and support tasks simultaneously.	Essential
Proven experience of successful web system development gained from previous employment.	Essential
Previous experience working in a customer focused system development role in the NHS or Health related sector.	Desirable
Other web related programming experience, e.g. Angular, CSS, JSON, XML, mobile platform development.	Desirable
Experience of working with IAPT or Health Care datasets and reporting needs Key Performance Indicators and national data submissions.	Desirable
Experience of supporting digital health applications	Desirable
Personal attributes	
A client focussed proactive approach.	Essential
Willingness to learn new technologies.	Essential
Prepared to travel in the UK to attend courses, conferences etc on occasion.	Essential
Occasionally, required to work out of normal office hours.	Essential
Adherence to HR policy for hours of work and the taking of annual leave (to ensure support for mission critical services).	Essential