Senior Systems Developer
Hull York Medical School

Closing date: 03 January 2018
Interview date: 26 January 2018
Vacancy reference: 6205
INTRODUCTION

An exciting opportunity has arisen for a Senior Systems Developer to join the Business Systems Team at the Hull York Medical School, one of the UK leading medical schools. This senior post is an interesting and challenging mix of hands-on development work, leading a small development team and applying a strategic approach to systems development and procurement.

Line managing another experienced developer, and from a development background, you will be able to demonstrate a strong track record in developing and managing the design and build of new systems in the latest Microsoft technologies such as .NET(C#) and MVC. Managing data is a significant part of this role, so you should have considerable MSSQL management experience as well as being highly skilled in aggregating and integrating data from a variety of other sources. You should also have experience of planning the work load for a small team and be able to demonstrate excellent communication skills and a customer focussed approach to work.

The Business Systems Team at Hull York Medical School is responsible for a wide range of systems which underpin the operation and management of the school. They are a mix of bespoke and proprietary software systems, all of which are heavily used and highly integrated. Some are developed in-house by our team, some are developed externally, and others are off-the-shelf products used in collaboration with other medical schools and our partner universities. We deal with the procurement, development, implementation, integration and first and second line support for these systems.
The Senior Systems Developer is an interesting and varied role that will lead on the hands-on development and integration of Hull York Medical School systems. Working closely with systems development activities at the Universities of Hull and York and NHS partners, the team will be responsible for the development, integration and support of the School's business systems across teaching, research and engagement activities in pursuit of the School’s strategy.

The Senior Systems Developer will lead the production of definitive, timely and unquestionably accurate management information, capitalising on the Universities’ skills in business intelligence and visual analytics to support evidence-based decision making, performance and quality monitoring. The Senior Systems Developer will also closely with our Senior Business Analyst to support process review activity across the School, contributing to improvements in the quality of service for students, staff and other stakeholders as well as improving efficiency and effectiveness.

Key responsibilities

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

- To provide technical expertise and leadership to the development of strategic IT services and systems typically through leading or being a member of major project teams and working parties
- To act as Technical Supervisor for specific projects and manage external contractors to ensure the project(s) is completed to quality and timescales
- To manage all aspects of the diverse technical support services provided by the functional groups and ensure staff provide first line help, advice, and resolutions across a range of IT related issues
- To manage the development, implementation, integration, maintenance, and support of business-critical administrative hardware and software that underpins key services provided by the team
- To define, agree and implement appropriate tools and processes for the effective development and maintenance of services. Working with the Learning Enhancement and Systems Manager and other team leaders in taking a continual improvement approach to this objective
- To maintain effective systems and processes for planning, tracking and verifying project deliverables and service improvements.
- To cultivate a culture of continual personal and service development to foster an open, collaborative and innovative working environment

**At a glance**

<table>
<thead>
<tr>
<th>Salary</th>
<th>£38,832—£47,722 Per year</th>
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</thead>
<tbody>
<tr>
<td>Hours of work</td>
<td>37 Hours per week</td>
</tr>
<tr>
<td>Contract type</td>
<td>Open contract</td>
</tr>
<tr>
<td>Based at</td>
<td>Campus West</td>
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**JOB DESCRIPTION**

**Main purpose of the role**

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PERSON SPECIFICATION

Qualifications

Degree level qualification in an IT field or equivalent employment experience (> 3 years)

Education to degree level in a science based discipline

Knowledge

Detailed knowledge of software development practices

Sound knowledge of network architectures and technologies

Working knowledge of a variety of operating system and server platforms

Some knowledge of the Data Protection Act, GDPR and Freedom of Information Act rules and regulations

Presentation of information via web-based technologies

Demonstrable understanding of the operational requirements and challenges of supporting high availability IT systems within a complex organisation

Experience of deploying and managing applications in a Microsoft environment

Agile development methods and decision making

Experience of working in a Higher Education and/or NHS environment

Skills, abilities and competencies

Comprehensive expertise in ASP.Net MVC, C#

Experience of using SQL and relational database design

Able to work under pressure in a business-critical service environment

Able to undertake risk assessments

Proven ability to lead major software development projects, including: technical leadership, innovation, problem resolution, weighing competing claims etc. to deliver high quality software

Application development, build and deployment experience using technologies such as HTML5, XML, JavaScript/jquery, AJAX and CSS

Ability to architect web applications and event based system integrations

Ability to define and solve problems, collate information and draw valid conclusions

Excellent verbal and written communication skills

Ability to deliver training to team members and project partners

Proven ability to write detailed documentation on complex, specialist software and methodologies
PERSON SPECIFICATION

Experience

Practical experience of up to date development practices e.g. version control, continuous integration

Proven success in managing and motivating staff, including planning activities, staff development, setting objectives and agreeing priorities

3 years' minimum relevant work experience on complex IT projects, covering the full project cycle

Production of management and other information reports from databases

Operating at a strategic level an interacting effectively with specialists

Working both independently and in a team-oriented, collaborative environment

The design and exploitation of substantial databases, and the application and development of new database technologies

Experience of conducting project retrospectives or service reviews

Experience of Test Driven Development

Experience of working within a service management framework such as ITIL

Documenting system requirements and bugs in issue tracking applications

Planning and coordinating the introduction of new services

Maintaining high availability systems for a large user base

Task planning and co-ordination with a team of technical specialists

Personal attributes

High motivation towards service excellence

Tactful, diplomatic and sensitive to the needs of others

Motivational leadership style with strong team-building skills

Willing to be flexible in response to the changing needs of the role

Hands-on approach and willingness to be involved and active at all levels

Encouraging towards innovation and development; committed to the professional development of self and team members
The Department

Hull York Medical School is a collaboration between the Universities of Hull and York and the NHS. The School operates from both University campuses and within teaching hospitals and medical practices throughout the Yorkshire and Humber region. The Medical School is young and ambitious with a growing reputation for excellence in both teaching and research. The area covered by the HYMS NHS partnership comprises Hull and the East Riding of Yorkshire, York and North Yorkshire, and Northern Lincolnshire, which together have a population of around 1.8 million. 17 NHS organisations make up the NHS partnership, within which there are over 600 consultants and 900 general practitioners.

The innovative curriculum at the Hull York Medical School includes an enquiry-based approach to learning and early clinical experience. Our graduates are recognised as being very capable Foundation Doctors, many of whom stay locally and contribute to health care services in the region. The School also delivers a growing portfolio of postgraduate taught programmes and short courses, including a training and education programme for Physician Associates.

In the national Research Excellence Framework (REF 2014), over 85% of research across the Medical School was assessed as world leading or internationally excellent. We have ambitious plans for research growth in biomedical, applied health and clinical research at the University of Hull, including the establishment of an interdisciplinary Institute for Clinical and Applied Health Research (ICAHR). Similarly in York, the School is growing its research in key areas of enquiry, including mental health services research and immunology and infection.

The Medical School's future development is being supported and enabled by a £28m investment in a new Health Campus development at the University of Hull, including the prestigious Allam Medical Building which has just recently opened in Autumn 2017.
Founded on principles of excellence, equality and opportunity for all, the University of York opened in 1963 with just 230 students. In 2017 it is the home of more than 17,000 students across more than 30 academic departments and research centres. Since opening over fifty years ago, we have become one of the world’s leading universities and a member of the prestigious Russell Group.

We are consistently recognised as one of the leading Higher Education Institutes and one of just six post-war universities which appear in the world top 100 (2013-14) and 15th in the Times & Sunday Times league table (2016). The University of York has won six Times Higher Education (THE) Awards and five Queen’s Anniversary Prizes.

The University is proud of its association with Athena SWAN, holding 12 awards in support of gender equality, representation and success for all, with gold awards for Chemistry and Biology and a University-wide bronze award.

Of 154 universities that took part in the Research Excellence Framework (REF) in 2014, The University of York ranked 14th overall and 10th for the impact of our research. The University is consistently in the top ten UK research universities and attracts over £60m a year of funding from research alone.

Our vision is to make the University of York a world leader in the creation of knowledge through fundamental and applied research, the sharing of knowledge by teaching students from varied backgrounds and the application of knowledge for the health, prosperity and well-being of people and society.
Attractive workplace

Centred around the picturesque village of Heslington on the edge of the city of York, our colleges are set in an attractive landscaped campus. York enjoys a safe, friendly atmosphere with facilities including bars, shops, theatres and concert halls all within easy walking distance.

The University has undergone an unprecedented period of expansion and renewal since 2000. We have invested in twenty new buildings on the original campus and have completed the first and second phases of a £750m campus expansion. Our investment in new colleges, teaching and learning spaces, laboratories, research facilities and a new sports village mean there has never been a better time to join us.

During this period of change we’ve worked hard to retain our friendly, informal and collegiate atmosphere, which is important to our core values of inclusivity and interdisciplinarity.

We have a thriving international community and are committed to providing staff moving to York with as much support as possible through our Relocation Package and Welcome Officers.

The University aims to offer a nurturing and supportive environment as an employer. Flexible working hours, nursery facilities, childcare vouchers, cycle to work scheme, generous holidays and an attractive pension scheme all make the University of York one of the region’s leading employers.

For further information please visit our employee benefit pages.
The City of York

Internationally acclaimed for its rich heritage and historic architecture, York’s bustling streets are filled with visitors from all over the world. Within its medieval walls you will find the iconic gothic Minster, Clifford’s Tower and the Shambles - just a few of the many attractions.

But York isn’t just a great place to visit - it’s also a great place to live and work. While nourishing a vibrant cosmopolitan atmosphere, York still maintains the friendly sense of community unique to a small city.

Visit www.visityork.org for more information on the city of York

Shopping, culture and entertainment

York boasts specialist and unique boutiques but also all the high street stores on its busy shopping streets. Alongside them you will find cinemas, theatres, an opera house, art galleries, a vast range of restaurants, live music venues and clubs. York is particularly renowned for its multitude of pubs and bars, from the modern to the medieval.

Housing and schools

Whether you choose to live close to the city, in one of the surrounding villages or further afield, you will find a wide range of housing within comfortable distance of York and the University. For families, the area has a range of excellent schools both in the state and independent sector.

Yorkshire

The Lonely Planet guide recently declared Yorkshire the third best region in the world to visit. There is something to cater to every taste, whether it be the rugged landscapes of the Moors or the Dales, the picturesque seaside towns of Scarborough and Robin Hoods Bay, the gothic architecture of Whitby or the vibrancy of cosmopolitan Leeds.

Great location

York is one of Britain’s best-connected cities. Halfway between London and Edinburgh on the East Coast mainline, on intercity trains you can reach London King’s Cross in less than two hours and Edinburgh in two and a half hours. York is also well served by road links, and it is easily accessible from the A1, M1 and the M62.

For those travelling from overseas, Manchester Airport is two hours away and Heathrow Airport just three and a half. Flights from nearby Leeds Bradford Airport provide easy access to mainland Europe. By Eurostar from London St Pancras, Paris is just over six hours away.
Apply online

- Go to https://jobs.york.ac.uk
- Find this job using reference 6205
- Complete the online application form

You will need to submit your completed application by midnight (local UK time) on 03 January 2017.

What will I need?

We will ask you for details of:
- your employment history
- relevant qualifications
- two referees

You need to be ready to show us how you meet the requirements of the job, either in a written statement and/or by answering questions.

Help and assistance

Direct any informal queries to paul.scott@york.ac.uk

If you have any questions about your application, contact the HR Services team:

recruitment@york.ac.uk
+44 (0)1904 324835