CANDIDATE BRIEF

Mobile Application Developer – Educational Technologies, Faculty of Medicine and Health

Salary: Grade 7 (£33,199– £39,609 per annum)

Reference: MHIME1104

Closing date: 29 June 2019

Interview date: 12 July 2019

Fixed-term for 24 months

We are happy to consider job share applications and are committed to flexible working for all our employees.

Mobile Application Developer – Educational Technologies
School of Medicine
Leeds Institute of Medical Education

Are you interested in using your extensive mobile application development skills in an innovative medical education and research environment? Are you enthusiastic and ambitious with a desire to be part of an interdisciplinary team delivering high quality mobile application services to support student education and research?

You will play a key role within the Technology Enhanced Learning (TEL) team, to support and build upon our mobile learning programme. Our vision for Technology Enhanced Learning blends the best of traditional face-to-face teaching with the use of the latest technology to support the best possible student experience. Our work encompasses both development and research, as we design and evaluate our systems to help us to build a better understanding of how our students learn and the role that new technologies can play in supporting them.

Working with a wide range of stakeholders across the University and NHS, you will be responsible for delivering and supporting technology enhanced learning services and systems, with a focus on mobile application development. You will work within interdisciplinary teams on each project and be responsible for leading the mobile developments to deliver new or improved technology enhanced learning services and systems. These systems will be used within the medical education programmes and will contribute to our ongoing TEL research work as their use and impact is evaluated.

You will have expert knowledge of iOS and Android development processes including experience of mobile app development for iOS using Objective-C and Xcode and for Android using Java and Android Studio. Use of C#, Xamarin and Visual Studio in cross-platform mobile development, and experience in web services using C# & ASP.NET is essential. Working in a highly regulated environment, your work will also involve liaising with University IT services and ensuring services comply with regulatory requirements through adherence to standard operating procedures. You will also use your experience to provide support and guidance to other members of the team, sharing your expertise and supporting others to develop new skills.

What does the role entail?

As a Developer your main duties will include:

- Working as part of an interdisciplinary team to collaboratively design, develop, deploy and evaluate mobile applications to enhance and support student learning;
- Leading the mobile development, testing and deployment within these projects;
- Working with other developers in the team and wider, collaborating on projects and sharing best-practice whenever possible;
- Being the mobile technical lead in participative design and development activities (such as co-design or usability sessions), bringing your technical perspective to the discussions;
- Being the mobile technical lead in project team meetings and management group meetings in order to present technical updates and bring your technical perspective to the discussions;
- Providing advice to colleagues on the technical feasibility of new project ideas and suggesting possible implementation options;
- Leading the design of mobile technical solutions, including gathering service requirements, developing and presenting proposed solutions for signoff;
- Taking specialist responsibility for handling service incidents, including diagnosing issues, designing, testing and deploying appropriate solutions;
- Providing regular updates to the Information Systems Manager and project steering groups;
- Undertaking training and development activities to ensure technical skills are kept up to date with industry standards in line with the technical strategic plans;
- Deputising for the Information Systems Manager where required;
- Establishing and maintaining sound working relationships with a wide range of individuals at all levels;
- Leading the development of relevant Standard Operating Procedures.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

You will report to the Information Systems Manager.

What will you bring to the role?

As a Developer you will have:
- Expert knowledge of the processes involved in iOS and Android development;
- Extensive experience of iOS mobile app development using Objective-C, and Xcode,
- Extensive experience of Android mobile app development using Java and Android Studio;
- Experience in cross-platform mobile development using C#, Xamarin and Visual Studio;
- Experience in web services using C# & ASP.NET;
- Knowledge of database design principles in relation to mobile app development;
- An understanding of the Higher Education teaching and learning context and an interest in working within a research and development environment;
- Experience of gathering project requirements from diverse groups of stakeholders and designing & documenting technical solutions against these requirements;
- Strong initiative, with excellent organisational, planning and self-management skills, including the ability to work accurately and carefully, manage and complete projects to deadlines and deliver high quality work;
- Effective communication and interpersonal skills to work across a diverse range of collaborators/stakeholders with an ability to explain technical problems in non-technical language.

You may also have:
- A BSc, equivalent qualification or relevant experience;
- Experience of working in a collaborative environment using Version Control best practice; (Team Foundation / GIT);
- Project Management experience (PRINCE2 / Agile);
- Experience of designing system testing plans;
- Experience of Ux design best practices;
- Experience of co-design approaches;
- An understanding of the role of mobile learning in supporting education;
- Experience of working on technology enhanced learning research projects
- Knowledge of ITIL principles;

- Experience working in a regulated environment with sensitive personal medical data;
- Experience of working with Academic or Clinical Research staff;
- Experience in upcoming mobile application programming languages, e.g. Swift.

How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by **23.59** (UK time) on the advertised closing date.

Contact information

To explore the post further or for any queries you may have, please contact:

Richard Gatrell, Information Systems Manager
Tel: +44 (0)113 343 4220; Email: r.p.gatrell@leeds.ac.uk

Additional information

The work will be highly collaborative in nature, delivering both services and supporting research activity in the discipline. We use design-based research and participatory design principles in our work and develop our systems following an iterative methodology so that educational assumptions and theories can be tested. As a developer you are not expected to be expert or experienced in these research methodologies, but we would want you to be keen to engage in this part of the work as well, bringing your technical skills and experiences to these discussions. Leeds University School of Medicine provides high quality medical education through undergraduate and taught postgraduate programmes.

Through identification of high potential applicants and through our excellence in scholarship in Medical Education our aim is to develop outstanding graduates in Medicine and in Medical Education. Our students will be inspired and transformed through their studies to become exceptional medical and medical education practitioners and leaders.

Leeds Institute of Medical Education also has an international reputation for research and innovation in the use of technology to support medical education. The School of Medicine was the first UK medical school to introduce the use of smartphones into medical education, building on the ALPS project (www.alps-cetl.ac.uk), Mobile learning is fully embedded within the medical curriculum and in particular plays a key role in support students' learning and assessment when on placement.

Find out more about Leeds Institute of Medical Education and the Faculty of Medicine and Health.

Find out more about the Technology Enhanced Learning Team

Find out more about Athena Swan in the Faculty.

Working at Leeds
Find out more about the benefits of working at the University and what it is like to live and work in the Leeds area on our Working at Leeds information page.

Candidates with disabilities
Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our Accessibility information page or by getting in touch with us at disclosure@leeds.ac.uk.

Criminal record information

Rehabilitation of Offenders Act 1974
A criminal record check is not required for this position. However, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending. Any offer of appointment will be in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our Criminal Records information page**.**