Edge Hill University

.NET Web Application Developer (KTP Associate)

Reference:	EHA2031-0622
Salary:	£32,348 - £35,333 per annum, pro rata
	Grade 7, Points 27 – 30
Contract Type:	Fixed Term for 30 months
Hours:	Full Time (36.25 hours per week)
Location:	Manchester, Batley & Preston

The Faculty/Department

(For department to complete)

The Role

Accountable to: Professor Nik Bessis, Professor of Computer Science (Lead Academic)

Reporting to: Professor Marcello Trovati, Professor of Computer Science

This post offers an exciting opportunity to work on a ground breaking project in the field of data science with a highly respected academic team and an innovative and successful company.

Knowledge Transfer Partnerships (KTP) is a national scheme administered under the jurisdiction of Innovate UK to facilitate business-university collaboration in tackling key, strategic business-led projects. KTP projects are high impact projects which use knowledge informed research to achieve the significant levels of innovation. The role of the Software Developer - KTP Associate is to facilitate the transfer of knowledge from the University to our partner, Synergy Technology Ltd, via the planning and delivery of a project in the field of artificial intelligence machine learning.

The KTP will build significant new capacity in Synergy Technology, using AI methods to improve order specification and pricing quotation in highly complex manufacturing operations and supply chains. For the University, this project will allow for the demonstration of significant economic and societal impact of our research base.

Synergy Technology are leading North West business solutions provider, specialising Enterprise Resource Planning (ERP) systems, bespoke software solutions, software support, hosted workspace services, and cloud technology.
https://synergytechnology.co.uk/

To allow for the effective delivery of the project and transfer of knowledge, the post will be based full time at the premises of Synergy Technology in Preston, Lancashire.

Duties and Responsibilities

1. To play a leading role in the delivery of the KTP, working with all stakeholders to ensure efficiency and success.
2. To develop the full system and user requirements for the proposed solution.
3. To design the architecture and the components of the solution.
4. To develop and integrate the necessary components of the system using an agile, test-driven development approach.
5. To work closely with the academic and company teams to address technical and/or research challenges arising from the project.
6. To produce full detailed documentation of the system at key points throughout the project.
7. Preparation and delivery of resources and training materials for relevant user levels.
8. To assist in the writing of academic output to support the findings of the project.
9. To adhere to the project management, administrative and other compliance protocols required for the KTP.
10. The successful candidate will be required to travel to various stakeholder offices around the UK throughout the project.

In addition to the above all Edge Hill University staff are required to:

a) Adhere to all Edge Hill's policies and procedures, including Equality and Diversity and Health and Safety

b) Respect confidentiality: all confidential information should be kept in confidence and not released to unauthorised persons

c) Undertake appropriate learning and development activities as required

d) Participate in Edge Hill's Performance Review and Development Scheme

e) Adhere to Edge Hill University's environmental policy and guidelines and undertake tasks in a sustainable manner

f) Demonstrate excellent Customer Care in dealing with all customers

Eligibility

Candidates should note that shortlisting will be based on information provided on the application form with regard to the applicant's ability to meet the criteria outlined in the Person Specification attached.

Internal staff wishing to apply for a fixed term role as a secondment opportunity must discuss this with their existing line manager before applying.

Please note that applications will be assessed against the Person Specification using the following criteria, therefore, applicants should provide evidence of their ability to meet all criteria.

Methods of Assessment include Application Form (A), Supporting Statement (S), Interview (I), Test (T) & Presentation (P).

		Essential	Desirable	*Method of assessment (I/A/T/P)
Qualifications				
1	A good honours degree in a relevant computer or data science field.	*		A
2	Higher qualifications relevant to the post, such as an MSc or PhD in a relevant computer or data science field.		*	A
Experience and Knowledge				
3	Experience of statistical techniques for data mining.	*		A/I/S
4	Experience or strong understanding of machine learning and/or predictive modelling	*		A/I/S
5	In-depth knowledge of application development using an object oriented language (e.g. Python, PHP, Java, JavaScript, C++ or C#).	*		A/I/S
6	A strong understanding of development of database systems.	*		I/S
7	A strong understanding of information and cyber security considerations for cloud services	*		I/S
8	Good knowledge of unit testing, functional testing and testing frameworks	*		I/S
9	A strong understanding of agile software development.	*		I/S
10	Experience of application development with a focus on the development of cloud software services.		*	I/S
11	Relevant commercial experience in web or software service development.		*	A/I/S
Abilities/Skills				
12	Highly organised and able to prioritise workload	*		I/S
13	Proven ability to work successfully within a project team	*		I/S
14	Stringent attention to detail	*		I/S

15	Strong numerical and analytical skills	*		A/I
16	Ability to communicate clearly and effectively with both technical and non-technical audiences	*		I/P
17	Strong ability to problem solve	*		A/I
18	Strong written skills	*		A/I
19	Ability and willingness to travel	*		I

How to apply

When you are ready to start the formal application process, please visit our Current Vacancies page and click 'vacancies', search for the role you wish to apply for, and click 'Apply Online'. The online application form can be completed in stages and can be revisited at any time. The form automatically saves as you enter your information and it is simple to move backwards and forwards throughout at any time prior to submission. Help is available at each stage to guide you through the form. Before final submission, you can preview your application and can then choose to refine or submit the form.

Please refer to the advert for the closing date for this vacancy, all applications must be submitted by 11.59pm on this date. Following the closing date, we will contact you by email to let you know whether or not you have been shortlisted to participate in the next stage of the selection process. We try our best to inform all applicants within two working weeks following the closing date.

Application > Shortlisting > Interview > Outcome

Professor Nik Bessis, Professor and Head of Department (Computer Science) at nik.bessis@edgehill.ac.uk

At Edge Hill University we value the benefits a rich and diverse workforce brings to our community and therefore welcome applications from all sections of society.