It is important to note that this job description is a guide to the work you will initially be required to undertake. It may be changed from time to time to meet changing circumstances. It does not form part of your contract of employment.

Job Description for the post of:

Software Solutions Developer - KTP Associate
EHA1877-1021

Fixed term 16 months

Reporting to: Professor Ella Pereira, Professor of Computing

Accountable to: Professor Nik Bessis, Head of Department of Computer Science

The Post

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, BEC Systems Integration, via the planning and delivery of a key SaaS development project.

The KTP will build significant new capacity in BEC Systems Integration and strengthen their position as a market leading data capture solution for supply chain logistics and manufacturing. The project will focus on the development of a scalable, cloud-based, software product infrastructure with novel data-driven stock control and dispatch applications. For the University, this project will allow for the demonstration of significant economic and societal impact of our research base.

BEC Systems Integration Ltd provides a range of leading software solutions which are designed to deliver improved accuracy and productivity in our clients' operations. BEC have a strong background within the food and beverage, manufacturing and engineering industries.

To allow for the effective delivery of the project and transfer of knowledge, the post will be based on the premises of BEC Systems Integration in Blackburn, 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 team to develop novel techniques for information extraction, discovery and predictive analytics.

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 training and development 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

Salary: Grade 7**,** Points 27-30

£31,406 - £34,304 per annum

Hours :	36¼ hours per week

However, it is expected that the post holder will work flexibly according to the on-going demands of the job and responsibilities at this level.

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.

PERSON SPECIFICATION

Software Developer – KTP Associate
EHA1877-1021

CRITERIA:

Applicants should provide evidence of their ability to meet the following criteria:

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

*Method of Assessment (I-Interview, A-Application, S-Supporting Statement, T-Test, P-Presentation)
Please note that applications will be assessed against the Person Specification using this criteria.