Job Related Information

This document includes information about the role for which you are applying and the information you will need to provide with your application.

1. Role Details

Vacancy reference	12754
Job title:	Java Developer
Reports to:	Dr Petr Knoth (Research Fellow)
Salary:	Ranging from £25,769 - £30,738
Terms and conditions:	Academic Related and Support Staff
Grade	GR6
Duration of post:	Fixed term from November 2016 until February 2018
Working hours:	37 hours per week (full time, Monday to Friday)
Location:	The Knowledge Media Institute at The Open University
Closing date:	19 October 2016
Type of application form accepted:	Standard / Accessible version (plus covering letter)
Number of referees required:	Three
Unit recruitment contact:	Ortenz Rose

2. Summary of duties

The team at the OU runs a large aggregator of research papers called CORE. CORE provides free access to the full-texts of millions of Open Access research papers as well as a number of information services for researchers and organisations. These include services enabling text & data mining, recommender systems, content management services for libraries & repositories and the provision of an API. We are also in the process of developing analytical services to support business intelligence for research.

We are currently looking for a Java Developer to join our team of developers and researchers. This is a great opportunity to work at the intersection of research and development.

The appointment will be made on the Grade 6 of the Salary Scale for Academic Related Staff, ranging £25,769 to £30,738 pa depending on qualifications and experience.

JOB DESCRIPTION

You will work as part of an international team of developers and researchers on the design and development of CORE system and services. Your work will include developing production services working with large quantities of research data. You will work in the team at the Knowledge Media Institute, Open University.

Specific Tasks:

- Integration and management of Big Data in the academic domain;
- Developing and testing the CORE technology used by a range of our customers including universities, libraries, funders, researchers and the general public around the world;
- Productionising innovative algorithms and innovative solutions built on top of our product to provide analytics, search, recommender systems, content enrichments, etc.

3. Person specification

Requirements   (E = Essential/ D = Desirable)

Education, qualifications and training

At least a Bachelor degree in Computer Science or related field.

Knowledge, work and other relevant experience

Essential:	• Excellent programming skills in Java SE, EE and experience with Web development; • Experience with developing APIs; • Database management skills (both SQL and NoSQL) and a proven ability to write quick optimised database queries; • Very good knowledge of the Linux environment (deployment, essential scripting, configuration, logging, etc.); • Ability to design software solutions. • Ability to work in a team • Experience with code sharing, issue tracking (JIRA, GIT), testing;

Desirable:	• Experience with processing large quantities of data;
	• Working knowledge of at least some of the following technologies: SOLR/Elasticsearch, Continuous integration (e.g. Jenkins), Hadoop, Kafka, Spring framework
	• Knowledge of the Cloud Computing environment (Amazon AWS, Microsoft Azure, Google App Engine or similar);
	• Ability to read and understand research papers and implement innovative solutions

Personal abilities and qualities

Essential:	• Ability to quickly demonstrate understanding of the project aims and specific tasks as requested;
	• Willingness to follow an agile development process according to Scrum.
	• Fluency in English;
	• Ability to write technical reports and document code;
	• Team player;
	• Hard worker.
	• Good communicator
	• Ability to work to challenging targets
Desirable:	N/A

4. Role specific requirements e.g. Shift working

n/a

5. About the unit/department

The Knowledge Media Institute (KMi) of the UK's Open University is a highly successful interdisciplinary research centre founded at The Open University in 1995, and located in attractive premises at The Open University's main campus in Milton Keynes, UK. We offer a stimulating environment, widely acknowledged to be at the leading edge of research and development, particularly in Semantic Technologies, Human Computer Interaction, New Media and Information Retrieval. The style, impact and content of our work can be seen at http://kmi.open.ac.uk/

6. How to obtain more information about the role or application process

If you would like to discuss the particulars of this role before making an application please contact Dr Petr Knoth on +44 (0)1908 654548 or by email: petr.knoth@open.ac.uk

If you have any questions regarding the application process please contact Ortenz Rose on +44 (0)1908 654774 or by email: ortenz.rose@open.ac.uk

7. The application process and where to send completed applications

Please ensure that your application reaches the University by:	19 October 2016
Post it to:	Ortenz Rose
Name/Job title:	KMi Senior Admin Co-ordinator - Staffing & Recruitment
Department/Unit:	The Knowledge Media Institute
Address:	The Open University, Walton Hall, MILTON KEYNES. Bucks
Post Code:	MK7 6AA
Or e-mail your application to:	kmi-recruitment@open.ac.uk

8. Selection process and date of interview

The interview panel will be chaired by:	Dr Petr Knoth
The other members of the interview panel will be:	To be advised
The interviews will take place on:	Date to be confirmed
The selection process for this post will include…	…a review of applications by the Chair and selected members of the interview panel. a) Please ensure you complete all relevant sections of the application form. You are encouraged to also include a curriculum vitae; however **a CV submitted <u>without</u> a completed application for employment form <u>will not</u> be accepted**. b) You are also asked to provide a covering letter describing how your skills make you a suitable candidate for the post.

We will let you know as soon as possible after the closing date whether you have been shortlisted for interview. Further details on the selection process will also be sent to shortlisted candidates.

Applications received after the closing date will not be accepted.