

## Senior Lecturer in Computing (Software Engineering) - School of Engineering and Computing - Grade I

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### Job Description

#### Purpose

To contribute to, and lead in, the areas of course delivery, course management and course development in the area of Computing and/or Software Engineering at the University of Central Lancashire. To undertake research and knowledge transfer through scholarly activities. To undertake specific course leader responsibilities in related programmes, as appropriate. To play a leading role in the development and evolution of the computing-based Computing activities within the school.

Areas of particular interest include:

- Substantive software development knowledge and experience in a range of modern OO languages. C++ is of particular interest.
- Software Engineering principles and practice
- Development Methodologies (Agile philosophy, waterfall, etc)
- Soft (Core) professional skills and behaviors
- Full stack development
- Distributed systems and/or HPC
- Core computing understanding (Databases, networks, etc)
- (Big) Data, tools and techniques
- Emerging areas such as: Human Augmentation, Digital Twin, and/or Information/Data Visualization

#### Duties

1. Lecturing at all levels of the academic programmes in the School including Masters programmes.
2. To engage in course developments in the area of Computing based apprenticeships
3. Make a major contribution to achieving the academic objectives for Computing and the School through scholarly activity, research outputs and knowledge transfer activities.
4. As a Senior Lecturer, undertake significant administrative, course development and course leadership responsibilities. Act as a module tutor for a number of identified modules. Administer course registers, assessment records, learning programme and other records.
5. Engage with the recruitment of students onto courses and provide appropriate advice on progression and career opportunities.
6. Develop and consolidate contacts with relevant external organisations.
7. Adhere to quality assurance and enhancement systems to ensure high standards are maintained and student experience is enhanced.

8. Attend local and national events on behalf of the University, in order to promote the University and its courses, and to enhance the profile of the division, school and University as a whole.
9. With regards to the nature of your role and its impact upon our students, make an active contribution to and support the improvement of the student experience.
10. To undertake any duties relevant to the School's activities and commensurate with the level of the post, as directed by the Dean of School.

## Person Specification

### **Knowledge, Skills, and Behaviours (Essential)**

- Experience of teaching computing-based Software Engineering/Development programmes in Higher Education (Application/Interview).
- Course leadership experience in Computing or or stem subject (with significant software Engineering/Development) aspect. (Application/Interview).
- Good honours degree (or equivalent) in a relevant subject (Application).
- Professional teaching qualifications or membership of the HE Academy (Application).
- Flexible and innovative approach to teaching (Application/Interview).
- Excellent presentation and communication skills (Application/Interview).
- Ability to work as part of a team and take on and accept responsibility (Application/Interview).
- Excellent networking skills (Application/Interview).
- An understanding of and demonstrable commitment to the University's Values of Achieving Together, Being Proud, Creating Opportunity and Supporting All, as a framework for decisions, actions and behaviours (Application/Interview).

### **Knowledge, Skills, and Behaviours (Desirable)**

- Experience of liaising with external organisations (Application/Interview).
- A PhD in a related area of study (Application).
- REF-able publications in the area of Computer Science and wider Computing subject domain. (Application/Interview).
- An ability to contribute to knowledge transfer activities (Application/Interview).
- An ability to contribute to the enhancement of the research culture within the School (Application/Interview).
- Supervision of postgraduate and research students (Application/Interview).
- A willingness to engage in international activity on behalf of the University (Application/Interview).