Job Title: Senior Application Developer (PHP)
School/Department: Information Services (IS)
Job Family and Level: APM Level 5
Contract Status: Permanent
Hours of Work: Full-time (36.25 hours per week)
Location: Kings Meadow Campus
Reporting to: Application Development Team Lead

Purpose of the Role:

As a member of the Application Development team based in the Product Centre, the Senior PHP Developer is the technical design authority for PHP development within the portfolio of applications and software projects underpinning the University’s business processes and research projects. You will be a deep technical expert in software development and implementation and a keen advocate of agile practices. In conjunction with the Team Lead and other team members you will ensure all projects are delivered within a coherent architecture to meet the high standards of the University.

The University recognises that digitalisation is going to fundamentally impact the way it maintains its identity and fulfils its purpose. It has ambitious plans in every area and expects IT to be at the heart of its global, digitally connected community. You will support the Team Lead to make this vision possible. You will help to create an environment in which individuals and teams are encouraged to be creative, innovative and agile in responding to new opportunities and the changing IT landscape; ensuring the team have the know-how, resources, environment and support necessary to achieve results in an effective manner.

You will be supported by the following roles:

- **Team Lead, Application Development** – leads teams in the development of the portfolio of applications and software to support UoN digital initiatives. Coordinating multiple streams of software development - a technical leader - promoting, defining, customising, deploying best Agile practices
- **Developer, Application Development** - working in a small team cooperating with application developers and designers, this role is a keen advocate of Agile practices and will work with the Senior Developer in supporting the technical design and approach for any given project

Information Services

The Information Services (IS) department is the central IT provider for the University of Nottingham, serving a global, digital community of over 43,000 students and 8,000 staff across the University’s UK, China and Malaysia campuses.

Product Centre

The Product Centre is a Centre of Excellence focused on the building, delivery and support of the Software Products the university uses for Professional Services, Academic Services and Research Communities. The Product Centre provides full life-cycle support for these Products in conjunction with the other IS teams such as Architecture, IT Change Delivery and IT Service Delivery. We express the purpose of the Product Centre as: “Enabling the University to maximise the value in the Software Products they use.”
Main Responsibilities

1. **Supporting the Application Development Team Lead, you will have significant involvement in:**
   - Planning sessions
   - Driving forward new, innovative ideas
   - Providing judgement calls on what is technically feasible and what isn’t
   - Defining the best design approach to changing demands and new opportunities

2. **Application Development**
   You will contribute significantly to the delivery of the application development strategy and software release by:
   - Developing and delivering software of excellent quality as per specification to agreed timescales
   - Ensuring adoption of a software development methodology based on an Agile philosophy
   - Ensuring that the team understands the development methodologies, policies and agreed approach to developing applications
   - Ensuring that processes and policies are adhered to so that development projects follow the correct development standards
   - Promoting and mentoring teams in the adoption of new techniques which improve our ability to build high quality products

3. **Acting as an internal and external consultant, advising on the development of the Universities applications and systems**

4. **Developing own skills and professional capabilities in line with the needs of the Product Centre**
### Knowledge, Skills, Qualifications & Experience

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<th>Qualifications/Education</th>
<th>Essential</th>
<th>Desirable</th>
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| **Qualifications/Education** | • Educated to degree level or equivalent professional qualification in a relevant subject, plus substantial work experience in a relevant technical/scientific role  
OR  
• Proven track record with extensive work experience in a relevant technical role/scientific role | • Experience of IT service management disciplines based on ITIL or similar, ideally with a qualification in this area |

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<th>Skills/Training</th>
<th>Essential</th>
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| **Skills/Training** | • An extensive background in, and deep architectural understanding of full-stack development to include:  
  o PHP 7+ development using Composer  
  o Laravel, Symfony or Zend frameworks  
  o Service-oriented architectures  
  o API design and construction using REST principles  
  o Standard front-end technologies such as JavaScript and CSS, including appropriate libraries, frameworks and asset pipelines using SASS, ES6, NPM and Gulp  
  o Version control using Git (or Mercurial)  
  o Knowledge of SQL and database interaction via an ORM, e.g. Doctrine  
  • A sound working knowledge of Docker containers  
  • A sound working knowledge of container orchestration platforms  
  • Familiarity with the Linux CLI  
  • Familiarity with Cloud technologies, e.g. Azure or AWS  
  • Technical vision together with the desire and ability to promote change and mentor peers and less experienced PHP developers in the adoption of new techniques  
  • A keen advocate of agile practices  
  • Exceptional ability to communicate and explain complex issues in clear, concise, persuasive language both verbally and in writing  
  • Highly adaptable and flexible. Able to adjust quickly to new situations and changing priorities  
  • Empathetic and with strong interpersonal skills | • Proven ability to design/architect a complex application using pre-existing and greenfield components  
• Familiarity with the use of CI pipelines for build and release management  
• Ability to slice and dice problems so they can be worked on by several people |

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<th>Experience</th>
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| **Experience** | • Experience of leading others through complex problem solving challenges  
• Experience of real-world Agile development  
• Experience with teams delivering software every day to high-scale, always-on, production environments | • Familiar with the HE context and environment |