

# Software Engineer (UI)

## Basic information

**Scale:** 2.1  
**Job family:** Digital, Data and Technology  
**Terms:** Permanent  
**Location:** Cheltenham

**Reports to:** Scrum Master/Product Owner  
**Direct Reports:** N/A  
**Team:**  
**Business unit:** UCAS International

**Date reviewed:** October 2020



## Job purpose:

Working in line with UCAS International's IT strategy, work with the Product Owner and Development team to develop UCAS International's new digital platform and associated products and services to drive international expansion, revenue growth and maximise uptake and usage. To develop and maintain a strong working knowledge of existing UCAS and UCAS International applications and systems.

## Key accountabilities:

- Delivery of software solutions primarily using PHP, React, Swift and Kotlin.
- Report to the Technical Team Lead in an agile/scrum development environment to ensure a continual delivery stream of features.
- Provide technical input and innovation, while collaborating with the rest of the scrum team on the development of solutions.
- Code and configure solutions in line with our coding standards, using standard tooling such as PHPStorm, Android Studio and Xcode
- Develop and prototype investigations or spikes to assist in the delivery of features.
- Ensure the delivery of high-quality products through techniques such as test-driven development, pair programming, and code review.
- Act as a gatekeeper for code repositories, ensuring only high-quality code, developed in line with our standards, is accepted into the production estate.
- Contribute to the ongoing improvement of the scrum team through agile retrospective ceremonies.

### Skills, qualifications, and experience:

- Good knowledge of back end development using PHP, MySQL.
- Experience of front-end development using React is preferable.
- Experience of mobile app development in Kotlin and/or Swift is desirable
- Good knowledge of software development patterns and practices, including test-driven development and service-orientated architecture.
- Experience of working with AWS cloud technologies, such as Cloud Formation, EC2, ElasticBeanstalk, Elastic Search, IAM, and RDS would be beneficial.
- Experience of Distributed Version Control, such as Git, would be beneficial.
- Experience of agile delivery methodology would be useful but not essential.
- Strong written and verbal communication skills are essential, given the working practices used, such as code review and pair programming,
- Good collaboration skills to facilitate the development of high-quality products in line with the product owner's requirements.
- A keen desire, where gaps exist, to learn and engage with technologies in our digital estate.

This role profile sets out the scope and main duties of the post at the date when it was drawn up. Such details may vary from time to time without changing the general character of the post or the level of responsibility entailed. Such variations are a common occurrence and cannot of themselves justify a reconsideration of the level of the post. All MODUS/UCAS employees are expected to be flexible in undertaking the duties and responsibilities attached to their role and may be asked to perform other duties, which reasonably correspond to the general character of their role and their level of responsibility.

### Our values in action:

**Customer-focused** – We understand what our customers want, and we act on their changing needs.

**Collaborative** – We collectively create an engaging and positive work environment.

**Accountable** – We take ownership of our individual and organisational performance.

**Service excellence** – We realise, grow, and maximise our potential.

**Trusted** – Individuals are trusted to make informed decisions and take appropriate risks.