Diversity and Inclusion at Dublin City University
arpHR Full Stack Developer
12 month contract

The Human Resources (HR) Department is a central administrative department responsible for providing a complete Human Resources service to the University. The Department is made up of a number of sections including the Diversity and Inclusion section. The overall aim of Diversity and Inclusion is to deliver on the university’s commitment to a culture that is inclusive at all levels and in every system and process, where students, faculty and staff demand the highest standards from each other. Through our commitment to equality, diversity and inclusion, we will create a workplace that embraces and celebrates our visible and invisible differences.

arpWISE is a new data driven technology start up, funded by Enterprise Ireland and based in Dublin City University.

arpHR is an exciting new technology, building a Cloud based digital platform for the Global marketplace. The platform design includes data analytics, machine learning and AI to deliver a highly customised, interactive and cutting edge solution.

This is an opportunity to create something new and dynamic working in the vibrant campus environment of Dublin City University. You will be part of a small but creative and committed DevOps team to contribute and build the platform into a fully-fledged enterprise-grade SaaS solution. This commercialisation project will spin-out into a successful global market leader within 18 months.

The platform design is a robust and scalable application deploying the latest in machine learning, AI, and data analytics, built with secure and maintainable code using AWS technology services and providing responsive and intuitive user experiences.

Our ideal candidate will have a passion for software, strive to make use of the latest in software frameworks and cloud services, and develop innovative solutions using current software design patterns and technologies.

Duties and Responsibilities

Reporting to the team Project Manager, the responsibilities will include the design and development of server-side code for an MVC Web application, Web Services and Component Integrations, as well as the coding of the client-side component.

The responsibilities of the role will include the following:

- Development of the client-side and server-side coding using Agile development techniques as part of a SCRUM development team.
- Working with the SCRUM Master to ensure that the platform is developed and deployed using best practice methods and technologies, advising on the most appropriate development frameworks for the project as well as testing and DevOps approaches.
- Designing and experimenting solution deployment approaches using CloudFormation.
- Liaising closely with the members of the team responsible for content development, ensuring that the platform can support the multi-modal content that is required for such an eLearning application.
- Working closely with the team’s UX Designer to ensure that the design is implemented as a responsive, modern user interface.
- Engaging with our trial partners in demonstrating prototypes and refining functional specifications.

Experience, Skills and Qualifications
The candidate must hold a primary degree in Computer Science, Software Engineering or a related discipline or equivalent (NFQ Level 7) plus two years’ appropriate experience. The candidate must have practical knowledge of web applications, distributed application design and development, network and server infrastructure architecture, and light client software development.

In addition, the candidate shall have knowledge of the following:
- Programming using server-side language (such as PHP, Node.js, .Net or Java)
- AWS computing and CDN components (EC2, Lambda, CloudFront)
- JavaScript frameworks (React, Angular, Bootstrap, jQuery)
- HTML, CSS
- Accessibility guidelines for web development (WCAG, ARIA)
- SQL database including schema design and performance optimisation (MySQL, PostgreSQL)
- API development (REST, XML, JSON)
- Version control system best practices and Git
- Working with Linux and Apache
- Experience in the following areas would be a distinct advantage:
  - Application and Session Caching (Memcached, Redis)
  - Security Best Practice (Security by Design, Oauth2.0, Data Encryption)
  - eLearning or Learning Management Systems (LMS)
  - DevOps Tools (AWS CloudFormation)
  - Agile Methodologies
  - Content Delivery Networks (CDN)
  - Experience working in a start-up environment.

The candidate should also show the following soft skills:
- Excellent problem-solving skills
- Ability to take initiative in developing innovative solutions
- Ability to work as part of a small team

Additional Information
Salary: *€39,525- €46,400
*Appointment will be commensurate with qualifications and experience will be made on the appropriate point of the salary scale, in line with current Government pay policy.
The position will primarily be based on the Dublin City University Glasnevin campus however there will also be a requirement to work on other university locations.

Closing date: 30th April 2019

Informal enquiries to: Ms Sandra Healy, Head of Equality, Diversity and Inclusion (sandra.j.healy@dcu.ie)

Application Procedure:
Application forms are available from the DCU Current Vacancies (Open Competitions) website at http://www4.dcu.ie/hr/vacancies/current.shtml and also from the Human Resources Department, Dublin City University, Dublin 9. Tel: +353 (0)1 700 5149; Fax: +353 (0)1 700 5500 Email: hr.applications@dcu.ie

Applications should be submitted by e-mail to hr.applications@dcu.ie or by Fax: +353 (0)1 700 5500 or by post to the Human Resources Department, Dublin City University, Dublin 9. Please clearly state the role that you are applying for in your application and email subject line: Job Ref #RF1202 arpHR Full Stack Developer

Dublin City University is an equal opportunities employer