



**Software Engineer  
School of Psychology  
Faculty of Science and Health  
Dublin City University  
Fixed-Term Contract 5 months**

### **Dublin City University**

Dublin City University [www.dcu.ie](http://www.dcu.ie) is a research-intensive, globally-engaged, dynamic institution that is distinguished both by the quality and impact of its graduates and by its focus on the translation of knowledge into societal and economic benefit. Through its mission to transform lives and societies through education, research and innovation, DCU acts as an agent of social, cultural and economic progress. DCU is Ireland's fastest growing university, and now hosts more than 17,000 students across its three academic campuses: DCU Glasnevin Campus, DCU St Patrick's Campus and DCU All Hallows campus.

### **The School of Psychology**

The School of Psychology is an ambitious and research intensive School in the Faculty of Science and Health. Established in 2019, DCU's School of Psychology is composed of experienced and dedicated staff with expertise in a broad range of areas within the field of psychology. The School brings together our flagship BSc in Psychology, which has been running since 2010, and our suite of postgraduate courses. It continues to build on our longstanding research activity and collaborations, and its community engagement. The School is student-centred, research intensive, globally engaged, collaborative and inclusive. It offers an innovative and exciting environment in which to pursue undergraduate and postgraduate studies in psychology and to undertake cutting-edge research.

### **Wrky (DCU Start-Up)**

Wrky is an exciting DCU start-up delivering an experimental people analytics platform. Wrky brings together expertise in behavioural science, intervention science, psychometrics, experimental design, and computer science to facilitate evidence-based workforce analytics. You will be working alongside a Senior Software Engineer and Machine Learning Engineer primarily, while also contributing to the broader team (UX design and Behavioural Science).

### **Duties and Responsibilities:**

- Assist in the design and implementation of a cloud based platform from the output of the design process, ensuring that the design is both secure, performant and scalable.
- Assist in designing and implementing a database schema with a view to maximising future querying potential and performance;
- Designing and implementing user-friendly APIs as informed by product requirements. Maintaining API specification documentation for these APIs;
- End to end testing and verification of APIs using tools such as Postman;

- Be a technical voice for best practices, potential bottlenecks ensuring that designs are technically viable;
- Lead interactions with the team in order to find solutions to any problems encountered;
- Deployment and monitoring of each of the above systems, services and applications;
- May be required attend events and visit client premises in order to inform on the system's technical capabilities and in order to document and understand client requirements (**Covid-19 permitting**);
- Any other duties that may be assigned from time to time by the principal investigator or his/her nominee;

### **Candidate Requirements:**

#### **Essential:**

- Candidate will hold a minimum of a Degree (Level 7) in Computer Science or similar field;
- A minimum of 2 years' experience in API development and the implementation of web applications;
- Experience with either JavaScript or C#;
- Strong experience with system design and cloud architecture;
- Experience in developing and deploying cloud applications;
- Familiarity with secure API development;
- Data modelling and database querying;
- Attention to detail;
- Strong analytical, conceptual and troubleshooting abilities;
- Experience with code testing for enterprise applications;
- Strong team player;
- Have the ability to communicate effectively in both written and verbal form;
- Writes clean re-usable, well commented and documented code;
- Experience with API testing and verification using tools such as postman.

#### **Desirable:**

- Familiarity with Visual Studio Team Services;
- Previous experience of working in a similar role;
- Experience with Amazon Web Services;
- Experience identifying, triaging and resolving system problems;
- Excellent organisation, time management and planning skills;
- Previous experience of creating automated build and deployment pipelines;
- Knowledge of C#, Xaml or Xamarin Forms or mobile development;
- Experience with Angular;
- Familiarity with TypeScript.

### **Mandatory Training**

The post holder will be required to undertake the following mandatory compliance training: GDPR, Orientation, and Compliance.

