ESPA

Software Development (Cloud) Internship (ORSD2206)

Apply here

Role

This is a great opportunity for an ambitious Software Developer to gain valuable practical skills with this leader in the field of portable 3D scanning solutions to several key industries. Mentored throughout, you will use your skills to assist in the development of a unique cloud application which allows 3D models to be used and discussed in a collaborative way by engineers or other participants while maintaining strict confidentiality and security from potential external intrusion. This role will suit a technically competent individual who wants to take ownership of a project and has the drive to overcome problems and succeed. If this is you, then apply today!

Tasks

- Server-Side Cloud Engineering design and documentation
- Development of server-side scripts and API's to support device requests and this will involve Python, JSON, SQL and various other technologies - HTTPS GET/PUT/POST requests and/or FTP/SFTP
- Management of unit testing and release management
- Provide technical input into product manuals/data sheets
- Assisting in DevOps
- Support of hardware engineering and production department for software design related issues
- Ensuring that software design follows the company hardware and quality procedures
- Integration testing in the context of client-server-based services

Desired Skills

- Degree in Computer Science and/or relevant experience
- A good solid background in Python, SQL and JSON.
- Familiarity with a Cloud service: AWS, Azure or Google Servers a bonus.
- Unit and Functional testing
- Use of configuration management and source control tools
- Encryption/compression skills/knowledge that they can bring to the table

The Host Company

This innovative host company specialises in 3D scanning and printing using the latest laser and printing technology available to provide CAD (computer aided design) models or inspection reports from laser scan data. Using portable 3D scanners, they can quickly assess any damage to key structures such as buildings, highways, offshore installations, and aeroplanes to name but a few. They have managed to cut damage assessment time on aircraft for one leading airline by up to 80% limiting turnaround time and delays. Alongside this their 3Dprinting service offers alternative way of prototyping and low volume manufacture, turning a CAD model into a physical part. With clients in Oil & Gas, aeronautical, civil, and structural engineering to name but a few, this host is leading the way in this exciting technology.