

Developer internship



itrust consulting is a Luxembourg-based company that tailors information security to business requirements. Founded in 2007, it has grown continuously and today counts 18 employees working in the different fields of Consulting, Sourcing & Innovation, Audit & Hacking, Research & Development, and Training and Awareness.

Implementation of an update repository feature for Software checker

itrust has developed a first version of an application called Software Checker. This application runs on windows OS and interacts with a central server to check if installed applications are up to date and do not contain known vulnerabilities (CVE database). If not up to date, the application advises the user to make an update, and if there are vulnerabilities, the application warns the user not to use application until there is an update fixing the vulnerability.

We plan to add an update repository feature to the application. With this feature, the application server would manage the download of new versions of applications from the internet to the repository and would enable the client application to automatically update user software. Besides this autonomous download, the application server would send the downloaded file to the AVCaesar application (a virus total like service) in order to check whether files are infected by malware before providing them to the user.

Your mission:

- Design the update repository feature;
- Implement the designed update repository for update checker;
- Test implementation and make corrections;
- Follow the scrum methodology;
- Would possibly involve making improvements to the whole software checker application (depending on available time);
- Close cooperation with the lead developer of software checker.

Your profile:

- Master student in computer science (or in a related field) looking for a 4 to 6 months internship in the private sector;
- Good knowledge of J2EE, .NET c# and MySQL;
- Spring MVC 3, Spring Security, Eclipse IDE;
- Strong interest in software engineering and information security;
- Good communication skills;
- Team player;
- Fluent in English and in French.

We offer you:

- Possible employment after internship;
- Paid internship;
- Possibility to work in a young, dynamic team in a multidisciplinary environment.

