European Institute of
Innovation & Technology
Foundation

EIT FOUNDATION – INTERNSHIP PROPOSAL

Internship title: <u>Design and Implementation of a SAAS-based Resource Management Service</u>

Company offering the internship position: **Agfa Graphics Belgium**

<u>1/Project description (including the objectives):</u>

Background
Since a long time, Agfa Graphics has been developing workflow solutions to automate the prepress work in the Graphic Industry. The basis of these solutions consists of the Apogee Prepress system; this is a client-server based solution used by prepress people in the printing organization that outputs incoming content files (typically PDF) on plates (using plate setters) and media (using digital print devices). In order to allow a higher customer interaction, Apogee Prepress has been complemented with a system (called Apogee Portal) that allows content submission and soft proofing over the Internet. Quite recently, we have introduced the Apogee StoreFront system which is a SAAS-based solution that allows Printing Organizations to set up their own e-shops to fully automate the order submission from their customers. All the solutions described above support different mechanisms to submit the content. These range from copying the content across the local network to a specific location (hot folder), uploading the content to FTP servers and uploading the content in the browser via an http-based upload.

Problem statement
In order to streamline the content submission and manage the content better, we want to set up an on-line service that allows managing the content submission by individual users and groups. In addition, these users must be able to synchronize the upload content on a number of heterogeneous devices (PS's/servers, tablets, mobiles etc.). Moreover, they must be able to share part of their content with other users.

<u>2/Tasks to be performed by the intern and expected deliverables:</u>
- Investigation and evaluation of the current commercial and open source solutions.
- Choose one of the available open source solutions (preferably Java-based) and investigate how the above functionality can be realized.
- Start with the implementation.

Deliveries
- Service protocol
- Administrative GUI

Definition of the clients:
- Browser-based (HTML5)
- OS plug-ins (fileservice-based approach à la Dropbox for Windows, IOS)
- Android app, IOS app

3/Key learning points:
- Managing a software project in an industrial environment
- Integration in the R&D team
- Soft skills: reporting, presenting results

4/Intern's profile, desired skills and competences:
- Excellent analytic and software skills (JAVA)
- Experience in HTML5 is a plus

5/Project timing: starting date and duration:
Early start March 2015 or September 2015, for a minimum period of 6 months.

6/Location, country and city:
Septestraat 27 2640 Mortsel
Antwerp, Belgium

7/Confidentiality level: Low – Medium – **High**

8/Non-Disclosure Agreement needed: **Yes** / No

9/Compensation level[1]:
The company will offer the housing (value 650 euro/month) and a monthly living allowance of 490 euro is budgeted.
More info on www.agfa.com/discovery

10/Remarks:
Agfa graphics' head office is located in Mortsel (Belgium). The business group has sales organizations in over 40 countries and representatives in more than 100 other countries. Its production sites are situated in Belgium, Germany, France, the United Kingdom, the United States, Brazil, China, South Korea and Canada.

A trusted partner for professional printers and publishers
Printers rely on Agfa Graphics' equipment, consumables (such as graphic film and printing plates), software and services for almost every stage in the preparatory process. The business group's software packages include workflow management software, technology for digital proofing and screening, as well as tools for managing color and quality consistency. These software systems offer printers faster processing, better quality and improved cost efficiency.
http://www.agfagraphics.com/global/en/maings/

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[1] *The company hosting the intern will provide a standard compensation according to its internal rules. The compensation should cover the local costs of living and housing costs. The compensation SHOULD NOT be considered as a salary.*