Suntrip Records VOF   November 13th 2012

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IT INTERNSHIP OFFER AT SUNTRIP RECORDS

Summary:

Suntrip Records, a Franco-Belgian record label focusing on psychedelic trance music, is looking for one student for a Java programming internship.
Duration: 2 to 12 months, payment with the label's merchandise.
Organization: homeworking, English language,

The plot:

Our website, and all the IT system that's behind it, was made by us, which is great because we can do whatever we want without depending on third party software, and which is also bad because we have to support it end to end. Right now we're doing a *technologic upgrade* to it and it takes a lot of time....and time is missing now we have kids and more responsibilities at work.

The problem is we cannot afford to hire an employee. So, why not help someone getting IT skills and validating his degree instead? For that we can recruit ONE intern who's:

- looking for an IT internship involving (Java) programming
- very motivated
- preferably likes our music

Even if your internship starts in Spring 2013, you can apply now. For that, please write an email to internship@suntriprecords.com with your rationale on why we should take you and not another person (in English please). You can be any sex, color, religion, it doesn't matter of course! You only need to be 18+ and be able to communicate in English.

Our background:

Suntrip Records VOF is a Belgian company, type [Vennootschap onder firma](#) with two managers.

CTO+CEO, Fabien M. (French), is the one who would give support in the first place, in the scope of this internship. He has a Civil Engineer degree with IT specialization, a Master's degree (both in 2001). He's working at daytime for one of the largest IT corporations and has already given classes in his former engineer school. Location: Brussels, Belgium.

CFO+CEO, Jos V. (Belgian) is a teacher at daytime, DJ at nighttime, with serious background in the Music sector. Location: Ghent, Belgium.

We're both in our thirties; we don't do drugs and like things done straight. Don't expect this internship to be holidays. We'll make easy for you, not too easy.

The technical side:

Our IT is made of Java/JavaEE technologies, that's precisely the type of skills a serious IT company will ask for later, if you want to make career in the IT. We're not into PHP or other scripting languages. The Suntrip IT system is quite straightforward and mostly made of out-of-the-box Java Enterprise 6 (JEE6) stack with JSF2 as the presentation layer. The database is MySQL. The applications are running on a Glassfish V3 app server on a Debian Linux server hosted somewhere in France. The whole techno stack is [there](#) (some versions need to be bumped, sorry).

When developping/testing locally we use any OS, Eclipse or Netbeans editor, a Derby database and an Apache webserver. The codebase lies on GIT, we build with Maven. The only serious issue is the fact there's few documentation and code comments (so, like anywhere you'll work later, yay!)

The deal:

- The internship shall be asked by your school/university (you cannot enroll on your free will, free time - there is a pedagogic goal) and shall be of a duration of at least 2 months and up to 1 year.

- You enroll SERIOUSLY with us and with your school/university. We sign all the necessary papers, we teach you some skills, and we come to the school's meetings with shirts & ties (if it's not too far, else by visio conference). We'll do our part. On the other hand you're expected to achieve some work. We understand you need to learn and can't work full speed and we'll adapt. But if you don't do shit, we're not going to save your ass in front of your teachers, just because you like techno music.

- We'll also make you sign a NDA because we want to protect our intellectual property, nothing personal. In the end all you've produced will be ours but we'll make a statement on what you've done and credit you duly.

- You need to know (some) (Java) programming already. We cannot teach you everything from scratch because your teachers are supposed to have taught them to you and because there are good books. I can provide with the books, in English. For the things books don't dare to explain I'll be there, you can count on me!

- You choose yourself the topics/evolutions you want to work on from my list below, you can also propose some. You make the assessments on the time it will take you.

- We teach you the functional and technical parts of Suntrip, and how to manage units of work in an IT world. We discuss the stakes for each evolution you chose, and then you execute (design, code, test) them. We do regular progress meetings. Know that I'm not super flexible so it might be via instant messaging or phone. The delivered coding must be documented and tested. As the process is likely to be iterative, I'll review all and debrief you at the end of each iteration, and give directions for improvements.

- The working language is English (also good for your CV) but we can also talk French.

- You work from home or school (we don't have "offices") which can be a trap to be lazy...but which can also help you show you're a responsible/autonomous person if you're serious :) We cannot provide a computer either, sorry, you'll have to use yours (requirements: 2Ghz CPU, 2GB RAM, 4GB of HDD).

- You aren't paid...but we can offer CDs/t-shirts/party entrances of course and some special thanks on the site and on a forthcoming release :)

- We review your final report and attend the presentation to the school -if any- to validate everything.

- We *recommend* you to any company that might be willing to hire you after your degree.

The menu of topics/evolutions that may be worked on:

- Java7 migration (easy but boring)
- Facebook / Twitter / G+ integration (easy)
- Setting up a test suite for the whole system (easy but very long)
- Google wallet integration (easy to medium)
- Complete the newsletter module (easy to medium)
- Automatic master-files extraction, conversion to flac/mp3, cdtext parsing & release creation + staging (medium, yes I swear)
- Improvements to the shop engine to allow sales/special offers more easily (medium)
- Improvements to the shop to allow Paypal/CreditCard payments out of the shopping process (medium)
- Split the Communication (email) subsystem from the rest (medium)
- Various improvements related to monitoring, security, encryption... (medium)
- Integrate the flac/mp3 download system with the rest of the site - it's a separate mechanism so far - and make it more reliable with queues and monitoring (medium to advanced)
- Internal file exchange system à la sendspace (advanced)
- Make a new subsystem to allow us to review promos more efficiently, in a distributed way, all online, possibly with soundcloud integration (advanced)
- GWT proof of concept in a possible attempt to move away from JSF2 (advanced)
- Mobile version of the site (advanced)
- Extend the shop to make it useable by several labels (very advanced)
- Naturally proposals are accepted!

Thank you for your attention.
Fabien & Jos.