

## **CTO - co-founder, partner - Edtech EBOP**

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EBOP is an online exercise application based on the writing of reasoning and the detection of precise errors at each step. The application, whose concept is original, is intended to be used for all types of training and in all countries. This project is ambitious.

A prototype has been developed and an explanatory video is online  
<https://www.youtube.com/watch?v=BgpHMhkTWSU>

It is expected that this application will allow for personalised, effective and fun learning.

The expected benefits of our EBOP solution are

- For a student to write solutions to exercises in accordance with the teachers' requirements,
- and to have precise corrections in real time on the errors made.
- For a teacher, to follow in real time the evolution of the work of the students in his class,
- and to provide him/her immediately with a summary of the errors made with their details if necessary.

The company has not yet been created and it is possible to take a stake in it. The project is led by Michel Lenczner, a university professor, who has organised the development of the demonstrator, is developing the verification system, is seeking funding and is recruiting. It is envisaged to attract a CTO and a CEO to form the basis of the company for its start-up.

In the next phase of development of this activity it is planned to define the economic model, draw up a business plan, create the company, obtain financing to complete the first product, complete the first product. Then in another phase the product launch with all its aspects will come.

The development time of the first product should be between one and two years.

At this stage, there is no remuneration available for the CTO and CEO. However, the formation of the founding group and the creation of the company will allow the search for subventions and fund raisings.

### **Job description**

You will be part of the founding team. You will participate in strategic thinking and implementation from a technical development perspective. The construction of funding applications is an important stage in the initial phase, and you will be involved in this, since you will have to anticipate the orientations of IT development.

From a technical point of view, in the immediate future you will be responsible for the development of the back-end and front-end. Eventually, you will be interested in the verification system (OCaml), but not necessarily in detail. As a CTO, you will need to gradually acquire an understanding of it and thus have a complete vision of EBOP technology.

In addition, the use of AI techniques is planned for different components of the software. You will therefore have to take an interest in them.

A significant part of the developments will be done by interns, student projects, theses, etc. You will participate in their supervision. There will also be collaborations with academics, teachers or other companies, in which you will be involved.

### **Description of the profile**

- You are aware of the EdTech field.
- You have the skills and experience to develop the back-end and front-end.
- You have a taste for product and company development and the adventure that this involves.
- You have the desire and ability to acquire a global vision of a software like EBOP.
- You are a strong proposer of technical solutions.
- You have the necessary rigour to develop and organise the development of a well-made product with all the phases that this implies (design, specifications, development, testing, documentation) in a context of good practice.
- You are curious and like to learn.
- You are open and patient to seek and find the best compromises with all the actors of the project and taking into account all its dimensions.
- You are aware that the quality of human relations is an essential value.

### **Task summary**

In the short term: Get to know the project, then focus on back-end and front-end developments.

In the medium term:

- Design and manage the development of technical solutions.
- Ensure the quality of the developments, the respect of good practices, the tracking of productivity losses, and the search for software performance.
- Establish the software development roadmap.
- Participate in the elaboration of the company's strategy.
- Participate in the drafting of funding applications.
- Participate in professional events.
- Ensure technology watch.

### **Main technologies**

Typescript, Angular, Python, Django, Elasticsearch, OCaml (verification system)

**Remuneration**

You will have a founding partner status. At start-up, there is no remuneration available for founding members. Finding their remuneration will be a priority through subventions and fund raisings.