**Design and build back-end and calculations for hotel onboarding process**

Genzai B.V. is an A.I. investment company which works together with industry partners in building Deeptech based start-ups. At the moment Genzai is involved in 14 different start-ups from a broad range of different industries.

Genzai is working together with ViaLuxury (vialuxury.com) which is a luxury hotel booking website. ViaLuxury focuses on selling the overcapacity of 4 and 5 star hotels in package deals. They currently work with 100 hotels in the Netherlands and Belgium but want to quickly expand across Europe in the next few years.

One of the areas where ViaLuxury and Genzai will work together in 2023 is the digitalization of the hotel onboarding process (which is now manual). The idea is that hotels across Europe can register themselves on the website, upload photos, fill in the descriptions and can configure package deals (for example hotel together with a dinner or a massage etcetera). During the onboarding process the hotel should be advised on different areas like pricing, package deals etcetera.

This project scope focuses on:

* Designing and building the database tables for this project
* Designing and building the API endpoints for this functionality scope. A different ICT student will focus on designing and building the front-end. Close alignment should take place with this student.
* Designing and building the back-end calculations for the front-end advice
* Technologies used will be FastAPI (for the API portal), Vue.js (front-end), Amazon Cloud and Python as language in the back-end.

Responsibilities:

* Develop the database
* Develop the API endpoints and the required back-end calculations
* Build and test all API endpoints and support the front-end resource in connecting front-end with back-end
* Deliver good quality, readable and scalable code
* Document research and code done in a professional manner
* This position is open for English speaking ICT students
* Expectation is to be 1 or 2 days per week at the office, the rest of the week you can work from home or university
* 1 day per week we will have a progress meeting with the whole project team. Additionally you will have mentor meetings with the Genzai mentor.

**What will be the benefit for you?**

* You will receive a gross enumeration of EUR 500, - per month
* Build experience in a very innovative subject with a great application in the future
* Learn from working closely together with experts in the field
* Be a part of an enthusiastic and international team

We are based on the Brightlands Greenport Campus in Venlo in the Villa Flora building. **The location is accessible via public transport.**

If you are interested in this project, please send your CV and/or letter to Roy Lenders via mail at [roy.lenders@genzai.nl](mailto:roy.lenders@genzai.nl) or via phone at +31-6-18035772

Genzai B.V.

Villafloralaan 1

5928 SZ Venlo

[roy.lenders@genzai.nl](mailto:roy.lenders@genzai.nl)