



# WELCOME

TO THE BIONIC FUTURE



# Welcome!



**Document:** Technical Test

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**Validity:** 7 days from the date of sending

Hi,

Below you will find more information about Promtior and our technical test for the position you are applying for.

The technical test may seem demanding or not, depending on your current skills. In any case, once you dive into the documentation and technologies we recommend, you will see that it is not so complex, but it will certainly be a challenge worth attempting!

Our greatest commitment as founders is to provide you with the best team of colleagues you could dream of, and this commitment starts by proposing a technical challenge in line with the future world and technologies.

Best of luck, see you soon!



Emi and Nacho





# About Promptior

In November 2022, ChatGPT was released, causing a significant impact and challenging previously unquestionable principles:  
**Creativity is an exclusively human trait.**

The speed of these technological advancements has put unprecedented pressure on leaders to incorporate AI into their businesses.

In May 2023, Promptior was founded facing this context, where the key question is: how to approach a scenario of transversal disruption and maximize the opportunities it presents?

Through its technological and organizational consulting, Promptior offers a way to generate new business models, answering this question and bringing companies at the forefront of their sector.

# Organizations

that started their transition towards a **Bionic** future, with the help of **Promptior**



Paigo



Handy



SIEE



Guyer &  
Regules



Infocorp



ST Consultores



CIEMSA



5M Travel  
Group



Forestal  
Atlántico Sur



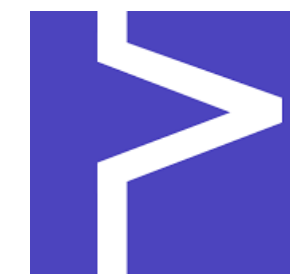
Advice  
Consulting



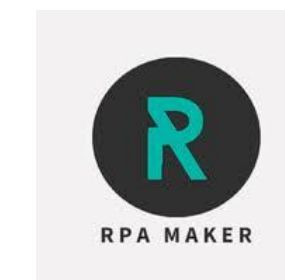
CAF



L'Oreal  
Latam



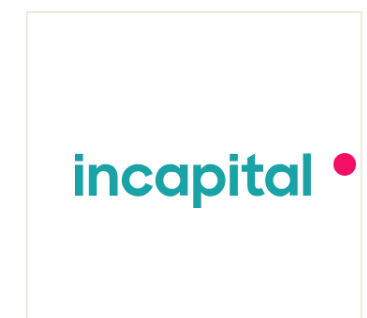
Vangwe



RPA  
Maker



S1



Incapital





# Technical test instructions

## Introduction

At Promptior, we specialize in implementing cutting-edge generative solutions, with a focus on the implementation of the RAG (Retrieval Augmented Generation) architecture to meet the diverse needs of our clients.

## Objective of the Test

Develop and deploy a chatbot assistant that uses the RAG architecture to answer questions about the content of the Promptior website, based on the LangChain library.

Extra information about Promptior can be found in this presentation. Adding it as a source gives extra points.



# Technical requirements

## Functionality

The chatbot should be able to answer the following questions:

- What services does Promtior offer?
- When was the company founded?

## Technologies to be used

- Implement the solution using LangChain with Langserve:
  - Quickstart | 🦜🔗 Langchain [https://python.langchain.com/docs/get\\_started/quickstart](https://python.langchain.com/docs/get_started/quickstart)
  - Use the OpenAI API if you have a subscription, otherwise, you can use Ollama and LLaMA2 as explained in the LangChain documentation.

## Deployment

Deploy the solution on a cloud of your choice (AWS, Azure).

- 💡 Tip: although using one of the mentioned clouds is valued, you can use Railway to facilitate the deployment.
- Doc Langserve deployment: <https://python.langchain.com/docs/langserve#deployment>



# Required documentation

## Objective of the Documentation

Provide a comprehensive overview of the approach, implementation, and technologies used to develop the chatbot assistant, enabling a detailed evaluation of the proposed solution.

## Required Content

- Project Overview: A brief summary in your own words about how you approached and solved the challenge. This includes the implementation logic, the main challenges encountered, and how you overcame them.
- Component Diagram: A diagram showing the components involved in the solution and their interactions from the time the question is received by the chatbot until the response is given.
  - 💡 Tip: You can use the following tools: Draw.io, Lucidchart.



# Delivery format and considerations

## Source Code and Documentation

The source code and documentation must be uploaded to a public GitHub repository.

The required documentation should be uploaded in the same repository within the /doc folder.

Once the source code is uploaded, the following form must be completed:

<https://forms.microsoft.com/r/2Q6iZpYvPT>

## Considerations

If you have any questions about the test instructions or the delivery format, you can ask us at [challenges@promptior.ai](mailto:challenges@promptior.ai) and we will respond as soon as possible.





# Final words

**This test will help us better understand your current knowledge and seniority.**

**It is designed so that someone with programming knowledge and good comprehension skills can solve it without problems by relying on the shared documentation.**

**We wish you great success in this process, and we hope to continue the transition to a Bionic future together!!!**



# Contact



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