

LogiBot: Revolutionizing Supply Chain with AI

Why?

Efficiency

Simplifies logistics
management and supplier
selection



Communication

Overcoming language and
timing barriers



Negotiation

Automates negotiations for
better deals



Decision-making

Enhances with clear,
transparent summaries



A large orange circle is positioned on the left side of the slide, containing the text 'Efficiency Boost' in white.

Efficiency Boost

**Maximizing productivity through
streamlined logistics processes**

Goals

Simplify

Effortlessly manage logistics and suppliers with AI technology through an intuitive web platform.



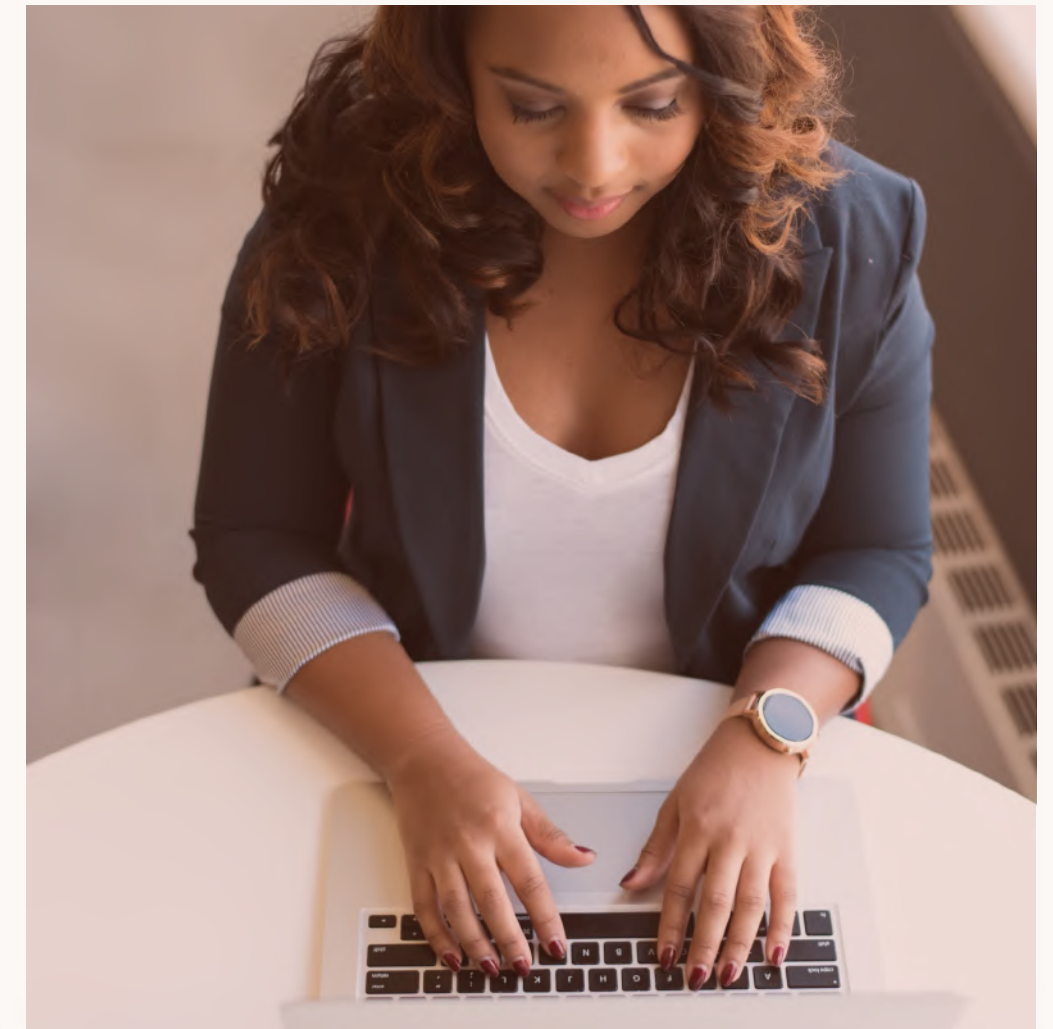
Overcome

No more language barriers or timing issues in communication.

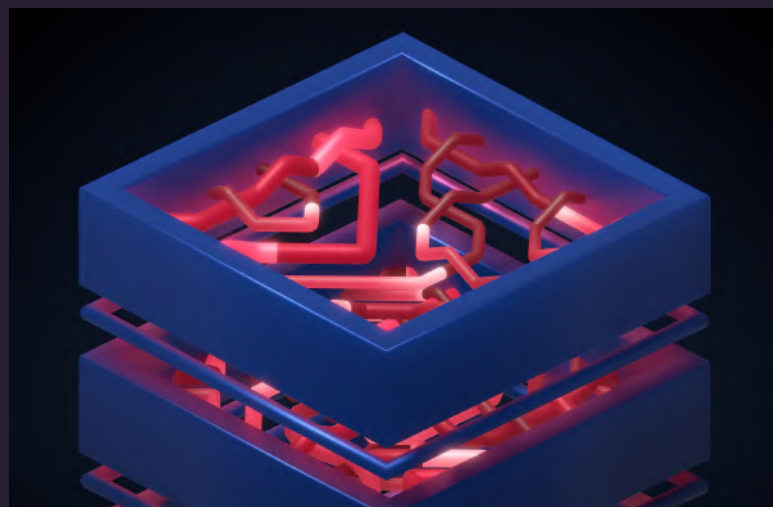


Automate

Negotiate better deals with automated AI assistance.

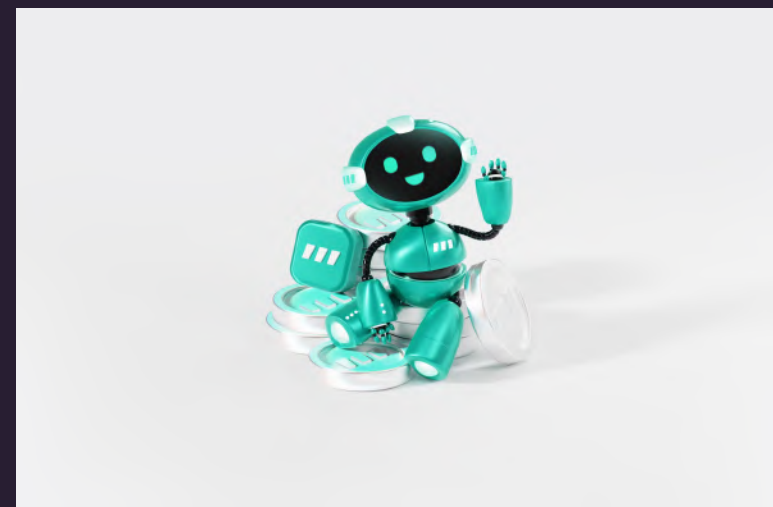


Project features



Platform

Composed by a frontend, a server and the chatbot



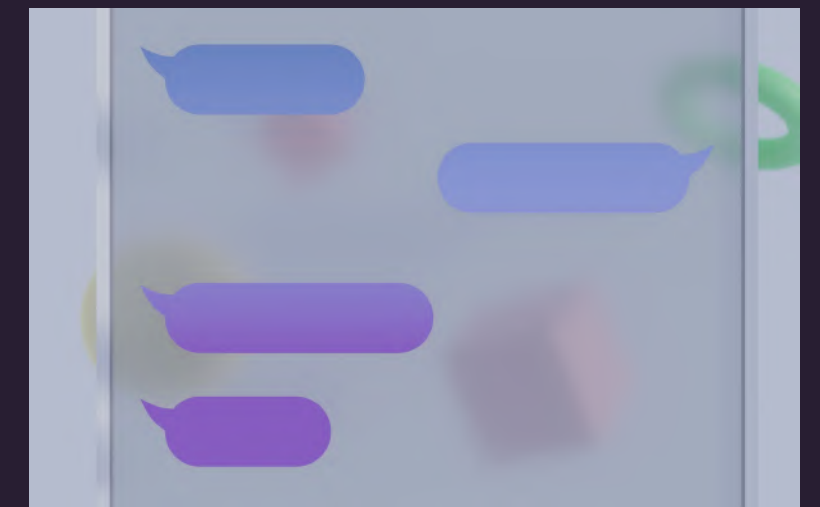
Chatbot

Has access to orders history and gets along well in negotiation.



Frontend

A simple UI to submit and manage orders



Realtime chats

UI to communicate with the LogiBot acting like supplier to reach a deal

Infrastructure



Frontend
Vite + Vue + Ts



Backend
Node.js + Express



Database
MongoDB



Chatbot
Python + LangChain +
Ollama



Docker Compose

Demo



Menu

Orders

Chats

Orders

Order ID: 816713 From: rome 2024-11-18T23:00:00.000Z To: naples 2024-11-25T23:00:00.000Z 

Order ID: 113784 From: verona 2024-11-04T23:00:00.000Z To: rome 2024-11-11T23:00:00.000Z 

Order ID: 966207 From: verona 2024-11-25T23:00:00.000Z To: vienna 2024-11-28T23:00:00.000Z 

Order ID: 655822 From: rome 2024-11-19T23:00:00.000Z To: vienna 2024-11-25T23:00:00.000Z 

Order ID: 414852 From: rome 2024-11-12T23:00:00.000Z To: vienna 2024-11-25T23:00:00.000Z 





Menu

Orders

Chats

Orders

Order ID: 816713 From: rome 2024-11-18T23:00:00.000Z To: naples 2024-11-25T23:00:00.000Z

Order ID: 113784 From: milan 2024-11-12T23:00:00.000Z To: naples 2024-11-25T23:00:00.000Z

Order ID: 966207 From: milan 2024-11-12T23:00:00.000Z To: naples 2024-11-25T23:00:00.000Z

Order ID: 655822 From: milan 2024-11-12T23:00:00.000Z To: naples 2024-11-25T23:00:00.000Z

Order ID: 414852 From: milan 2024-11-12T23:00:00.000Z To: naples 2024-11-25T23:00:00.000Z

New Order

Max allowed price 2,500

milan

naples

11/12/2024

Enter the loading date

wood

flammable

Submit

November 2024						
Su	Mo	Tu	We	Th	Fr	Sa
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30



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Chat with 152681_75

Bot

You have a new order request! 📦 Here are the details: The average price is 1139.8714285714286. Loading will take place in rome on Tue Nov 12 2024 23:00:00 GMT+0000 (Coordinated Universal Time), and unloading is scheduled in vienna on Mon Nov 25 2024 23:00:00 GMT+0000 (Coordinated Universal Time). The goods being transported are wood.

Bot

Sì, credo che 1400 possa funzionare. È un po' più vicino al prezzo medio e mi sembra una buona via di mezzo.

Bot

Confermo l'ordine! 📦 Ecco i dettagli finali: Il prezzo totale è di 1400, che rappresenta un buon compromesso rispetto al prezzo medio. L'assalto avrà luogo a Roma il martedì 12 novembre 2024 alle 23:00 e l' scarico è previsto a Vienna il lunedì 25 novembre 2024 alle

User

1500 can work?

User

ok, concludiamo cosi, per me va bene!

Type a message...

Send



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Chat with 10025_16

Bot

You have a new order request! 📦 Here are the details: The average price is 1139.8714285714286. Loading will take place in rome on Tue Nov 12 2024 23:00:00 GMT+0000 (Coordinated Universal Time), and unloading is scheduled in vienna on Mon Nov 25 2024 23:00:00 GMT+0000 (Coordinated Universal Time). The goods being transported are wood.

Bot

Ik ben teleurgesteld dat u heeft besloten niet door te gaan met uw bestelling, maar ik wil u wel bedanken voor de tijd die u hebt genomen om dit mee te nemen.

User

sorry but we cannot reach a deal, bye

Type a message...

Send

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Candidate Deals

Supplier Id:1

Price deal: 100

Score: 2

Accept

Supplier Id:2

Price deal: 110

Score: 4

Accept

Supplier Id:3

Price deal: 90

Score: 3

Accepted

Supplier Id:4

Price deal: ---

Score: 3

Pending...



Our (dream) team

Bennati Jacopo

Franzin Mattia



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