

FastAPI

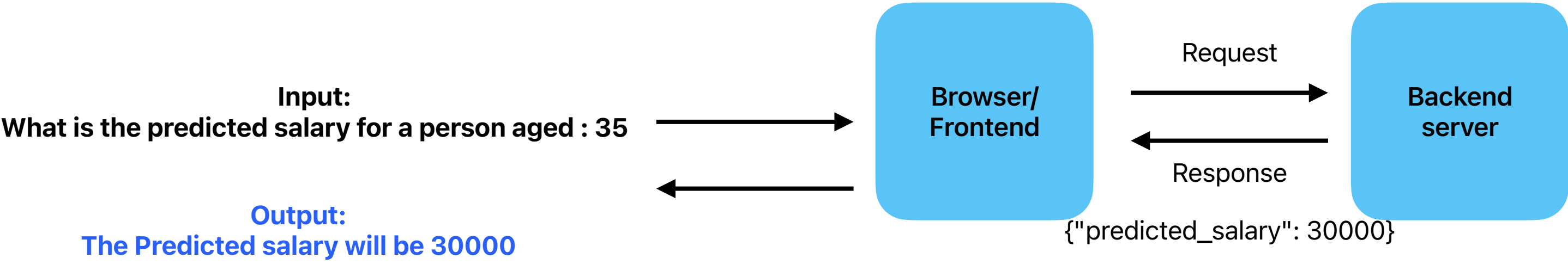
- Starlette for ASGI (async web server interface)
- Pydantic for Data Validation and Parsing

- It is as fast as Node.js and GO for serving APIs
- It uses Python type hints to give autocompletion and data validation
- It automatically generates the Interactive swagger documentation (no extra work)

What is API ?

API Stands for Application Programming Interface

It is a set of rules and protocols that allow two software applications to talk to each other



What is RESTAPI ?

Type of API, uses HTTP methods like GET, POST, PUT, DELETE, etc

HTTP METHODS	PURPOSE
GET	RETRIEVE DATA
POST	SUBMIT NEW DATA
PUT	UPDATE DATA
DELETE	REMOVE DATA

API COMPONENTS

Endpoint	A specific URL path(eg: /predict)
Method	http method used
Request Body	Data sent to API (json)
Response	Data returned by the API (json)
Headers	Metadata like content type or auth tokens



Order a cappuccino via coffee shop's API



Endpoint	A specific URL path(eg: /predict) - /order
Method	http method used - POST
Request Body	Data sent to API (json) - mention the details about coffee - <code>{"drink": "cappuccini", "size": "medium"}</code>
Response	Data returned by the API (json) - <code>{"status": "confirmed", "eta": "5 mins"}</code>
Headers	Metadata like content type or auth tokens - Content-Type: application/json

