

WhatsPOS

Helps to control small company's finance figures using
WhatsApp and IBM Granite LLMs

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Challenges SMBs Face

Lack of time

Lone businessmen/women

Lack of financial control

60% using pen and paper

Will my business
make my profits and
pay my bills?

No user friendly tools

"I don't understand Excel"

Not knowing what could be done better

"How to improve my numbers?"

How WhatsPOS solves it?

**Well known user
interface**

“Whatsapp is great”

Low Investment

Uses a free tool and locally hosted LLMs for now

WhatsPOS

Less than 10 min a day

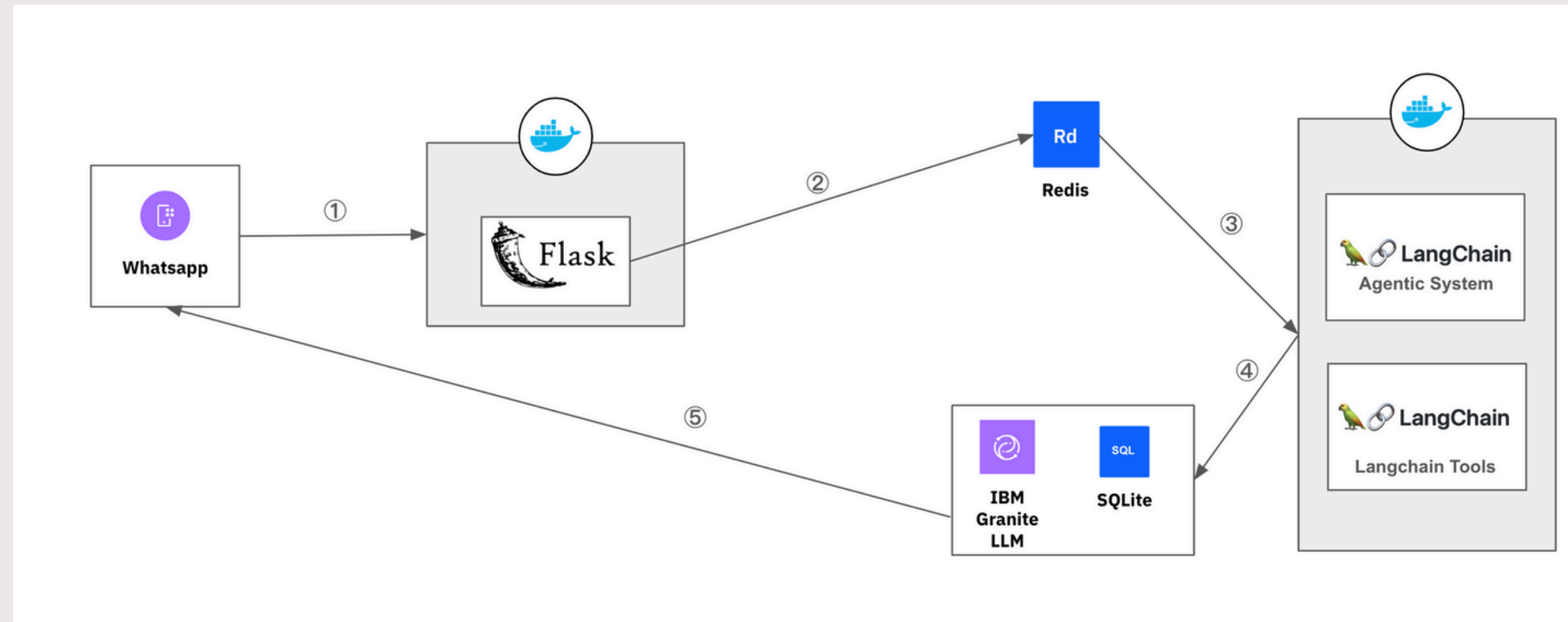
Fosters habit and financial discipline

**Basic reports and
analysis**

Shows graphical reports and product level analysis

How WhatsPOS works?

1. The user send a message via Whatsapp to register himself/herself or add an entry or query for information.
2. Flask APIs pushes the task to Redis and queues it for processing by LLMs
3. Langchain agentic system picks up the tasks, parses it, adds user specific information if present and sends the modified query to IBM Granite LLMs
4. The IBM Granite LLMs (currently powered by Ollama) does the following:
 - a. Checks if the query type is inventory addition, cashflow addition, information query or graphical information related query
 - b. Then the LLMs route the query to the specific workflow
 - c. If the query is addition based, appropriate functions (or tools) are called by the LLMs and executed
 - d. If the query is query related, then IBM Granite 3.1-8b model is used to generate appropriate code and the result from the executed code is sent back to the user
5. The final result is then sent by the server back to the user's Whatsapp



THANK

YOU