

Spring AI + MCP: 构建Java生态下的AI工具集

2025/06/12

Yuan, Hang | Ida

Rakuten China Development Center Co., Ltd.

Rakuten Group, Inc.



About Me

Hi, I'm Ida.



- Rakuten中国开发中心跨境电商项目组的核心开发工程师
- Rakuten中国开发中心Spring Family专家组组长
- 致力于构建、维护和推广 Spring 生态在微服务领域的实现
- 积极探索AI在应用方面的落地实践



Yuan, Hang | Ida
Application Engineer



Hobby



Cats
Or Pigs?

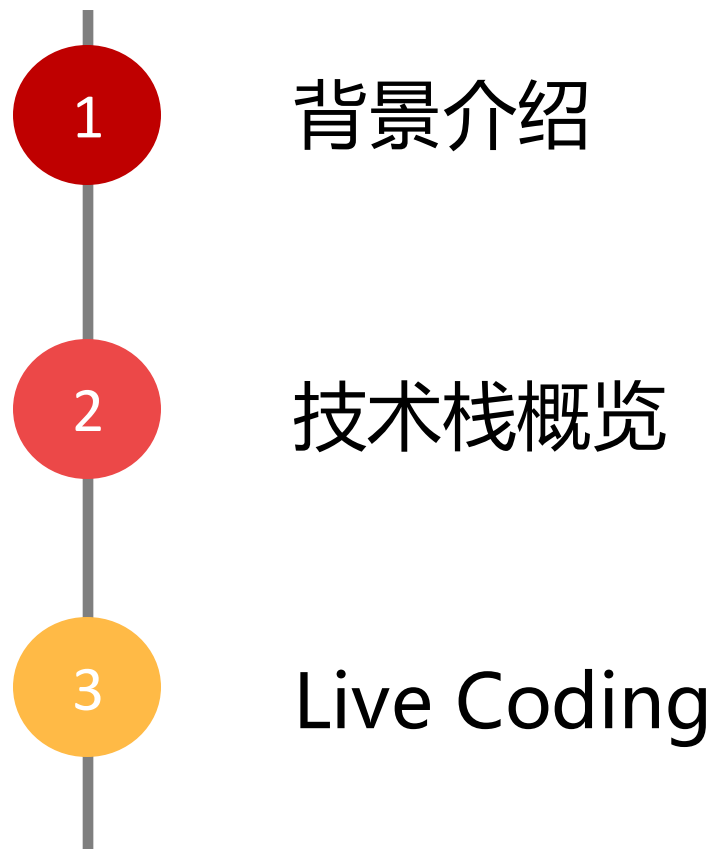


Musics & Singing

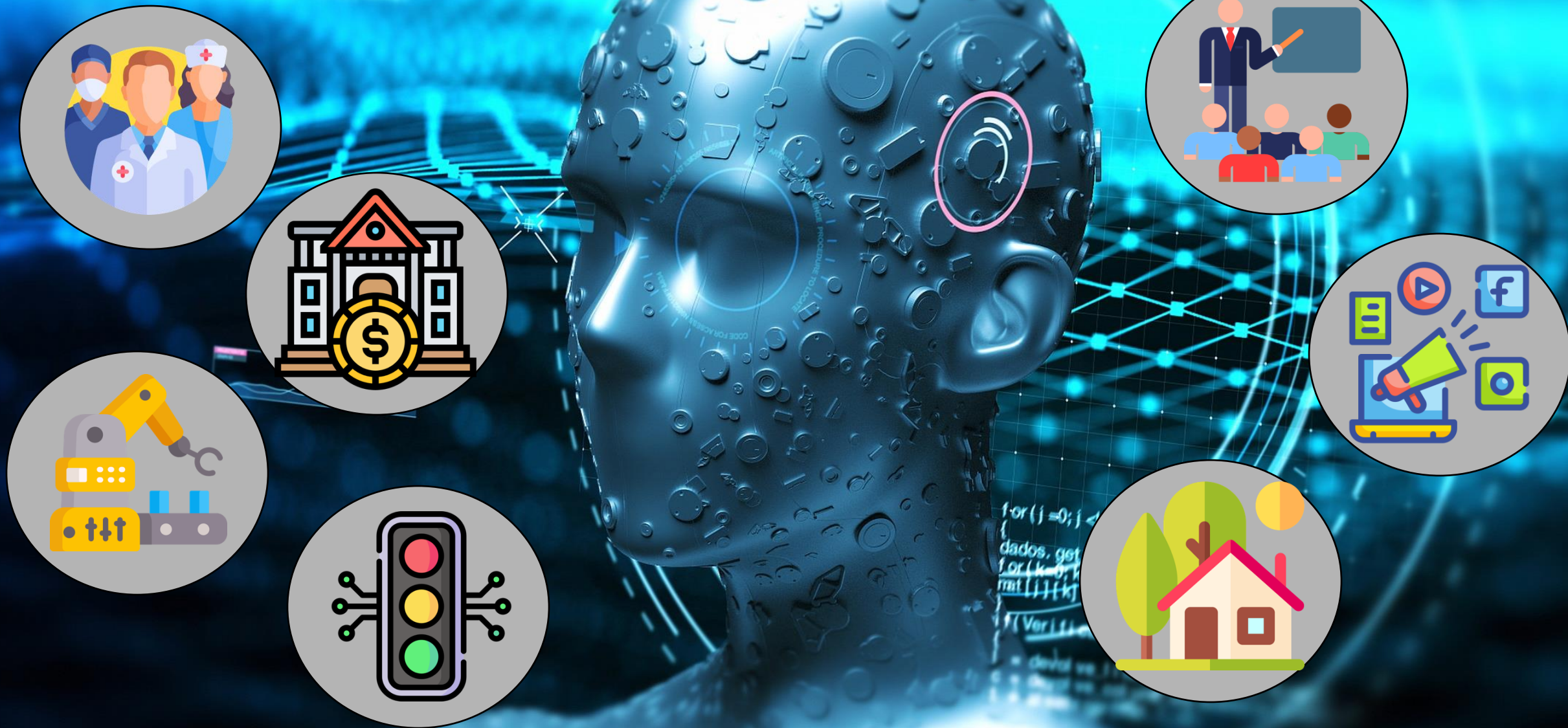


Live Show

Agenda

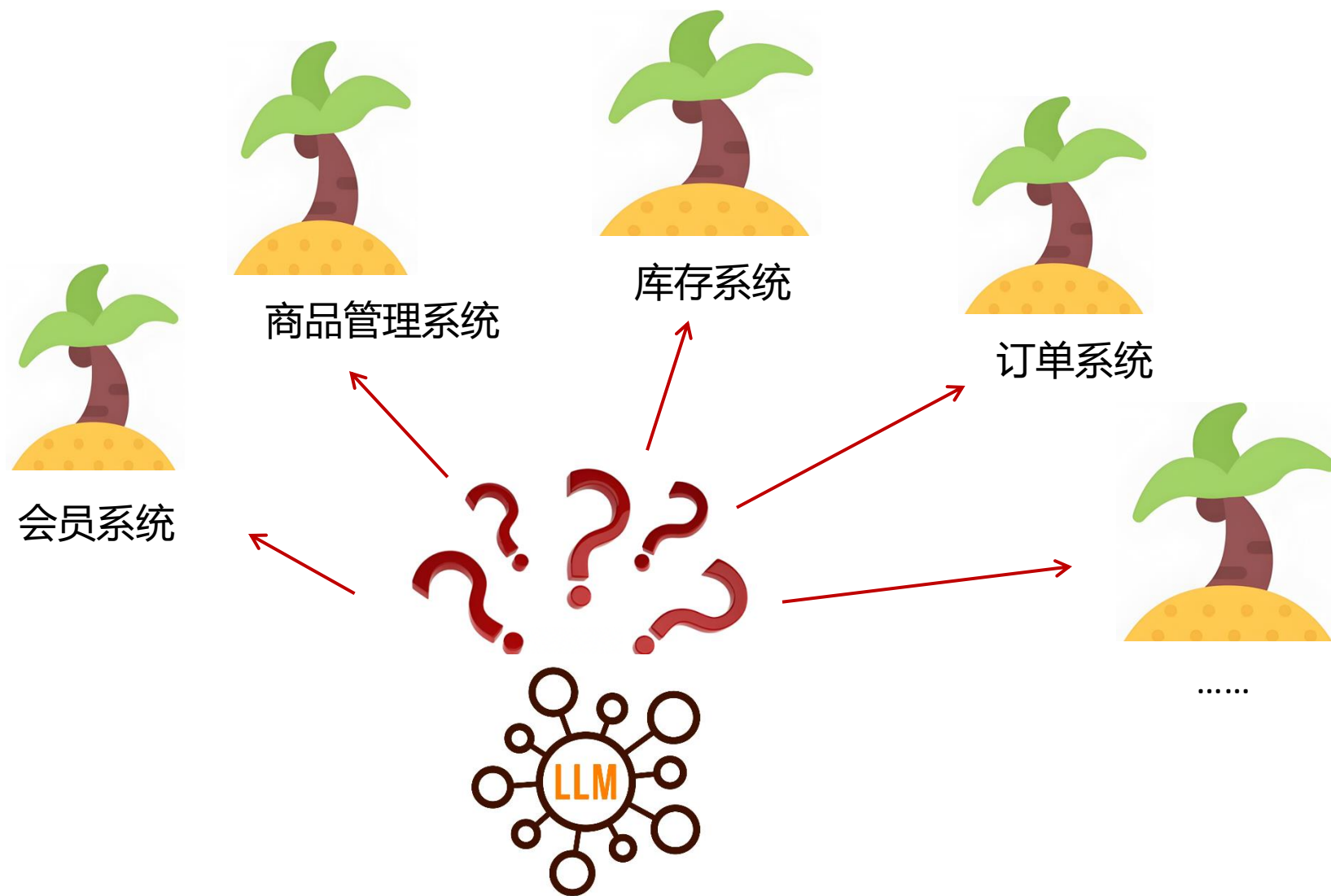


1.1 背景介绍 – AI时代早已到来

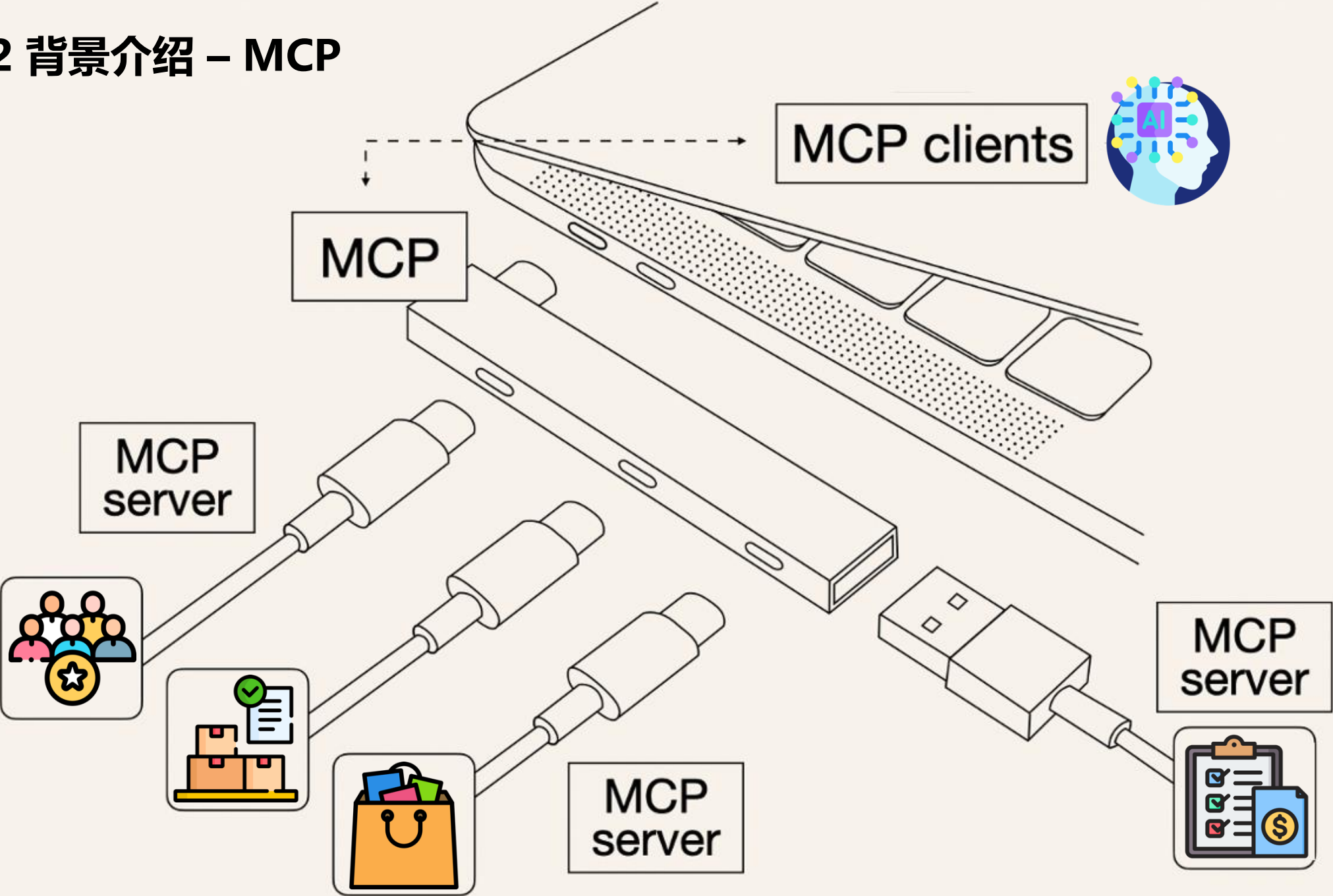


1.2 背景介绍 – 电商行业的挑战

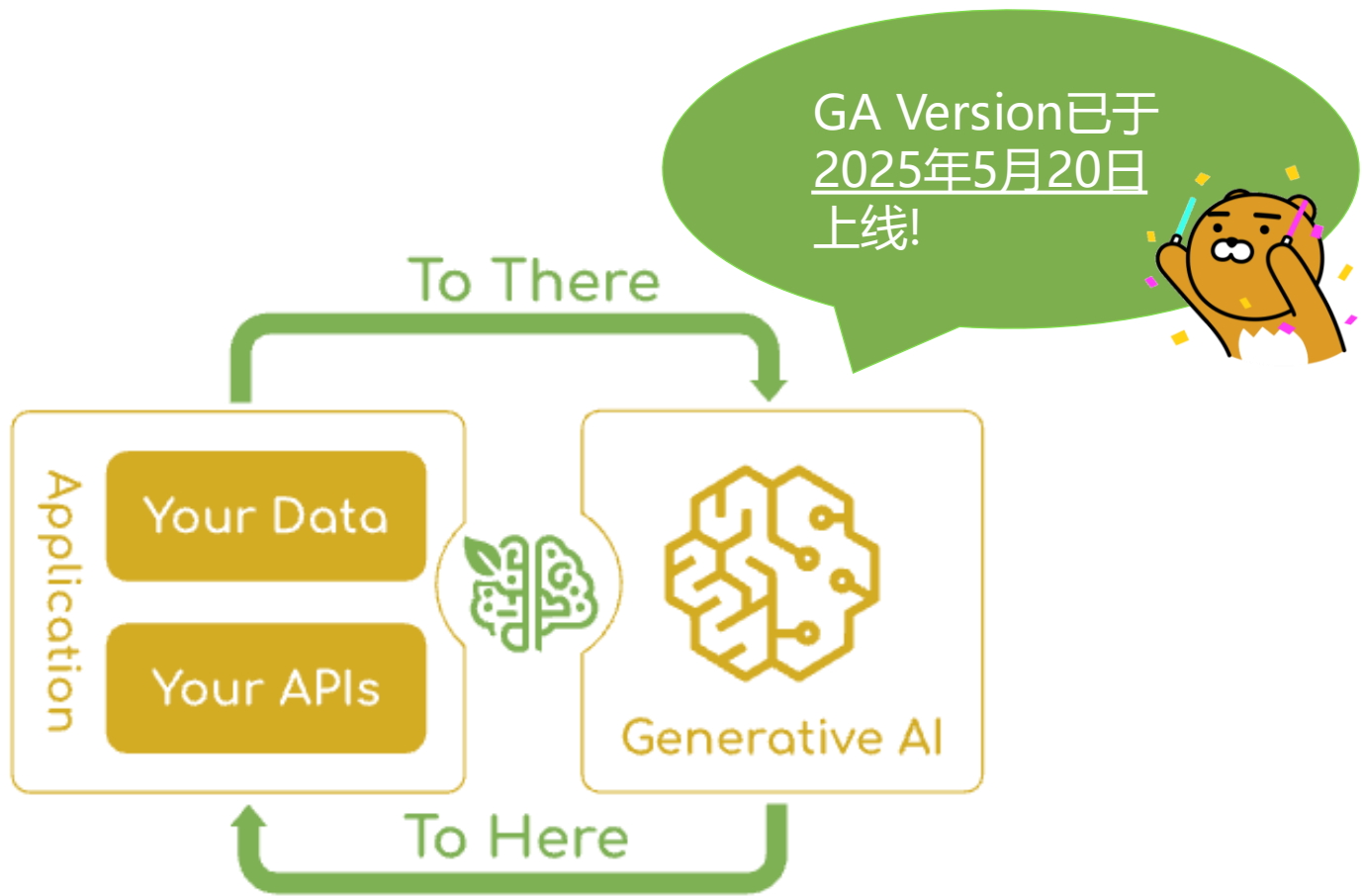
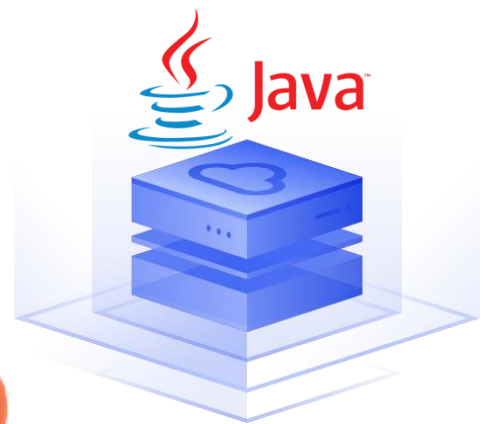
- AI工具开发的复杂性
 - 数据孤岛问题
 - 动态业务需求
 - 基于IT资产的重利用



1.2 背景介绍 – MCP



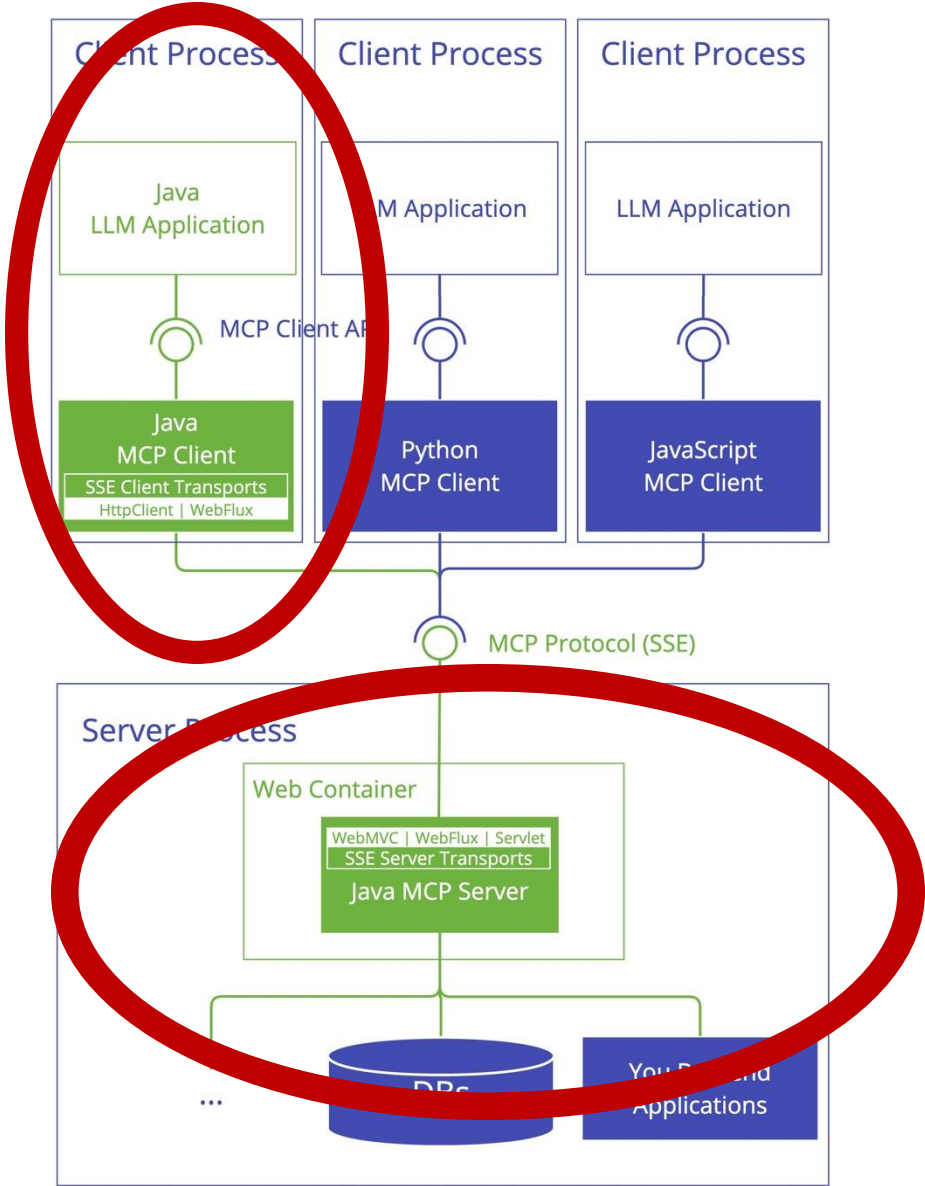
1.3 spring AI 的价值



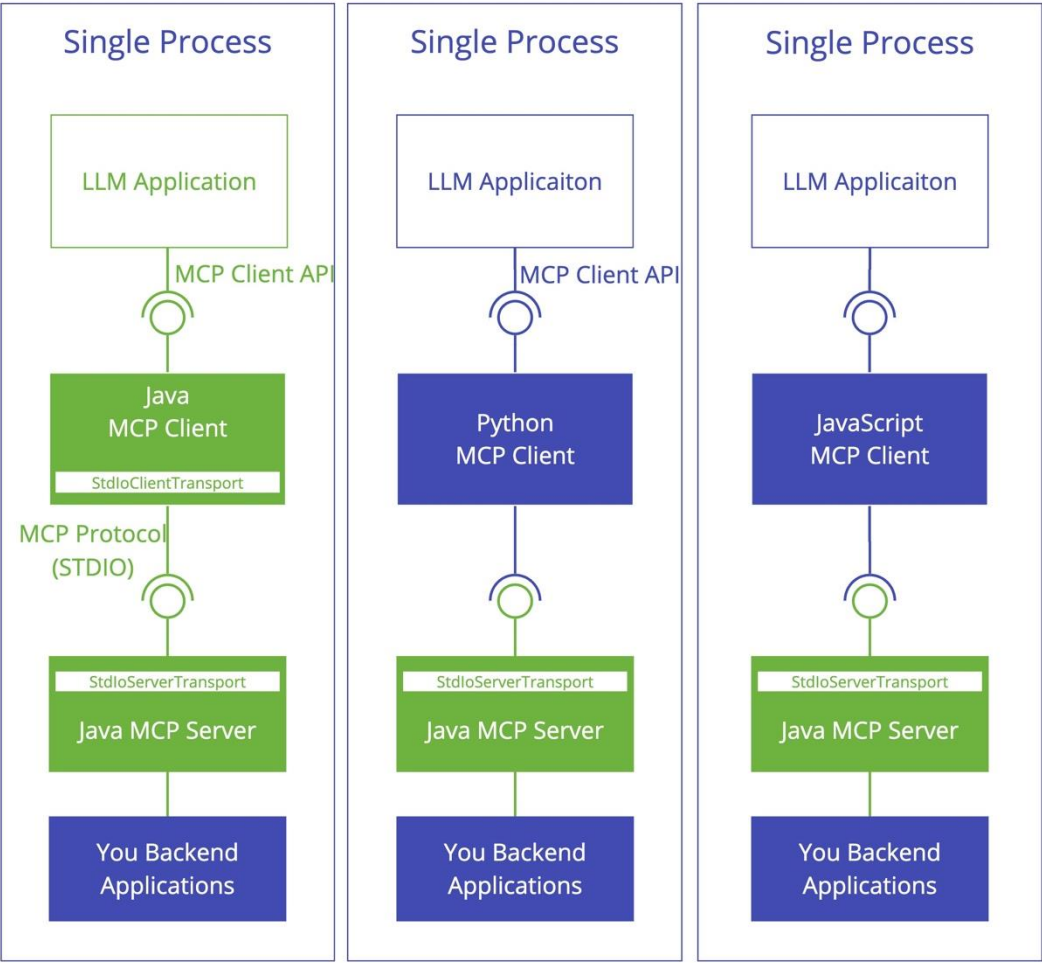
Java应用程序如何与AI进行集成?

2.1 技术栈概览

MCP Server (SSE)

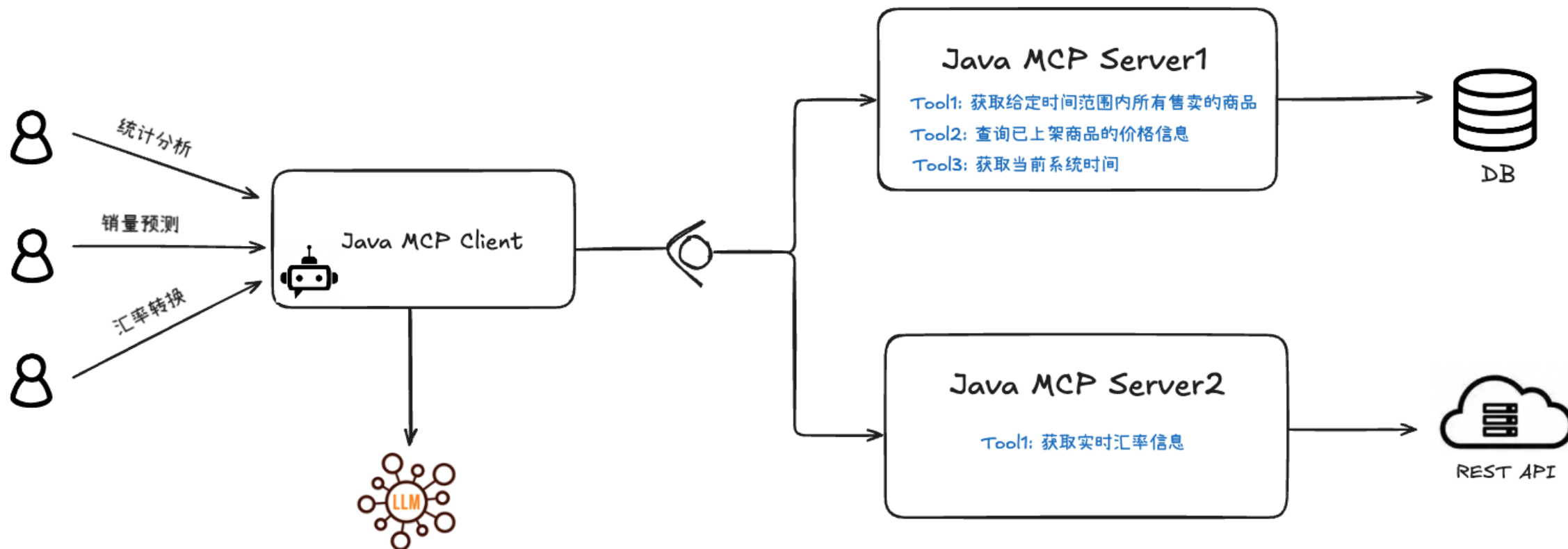


MCP Server (STD IO)

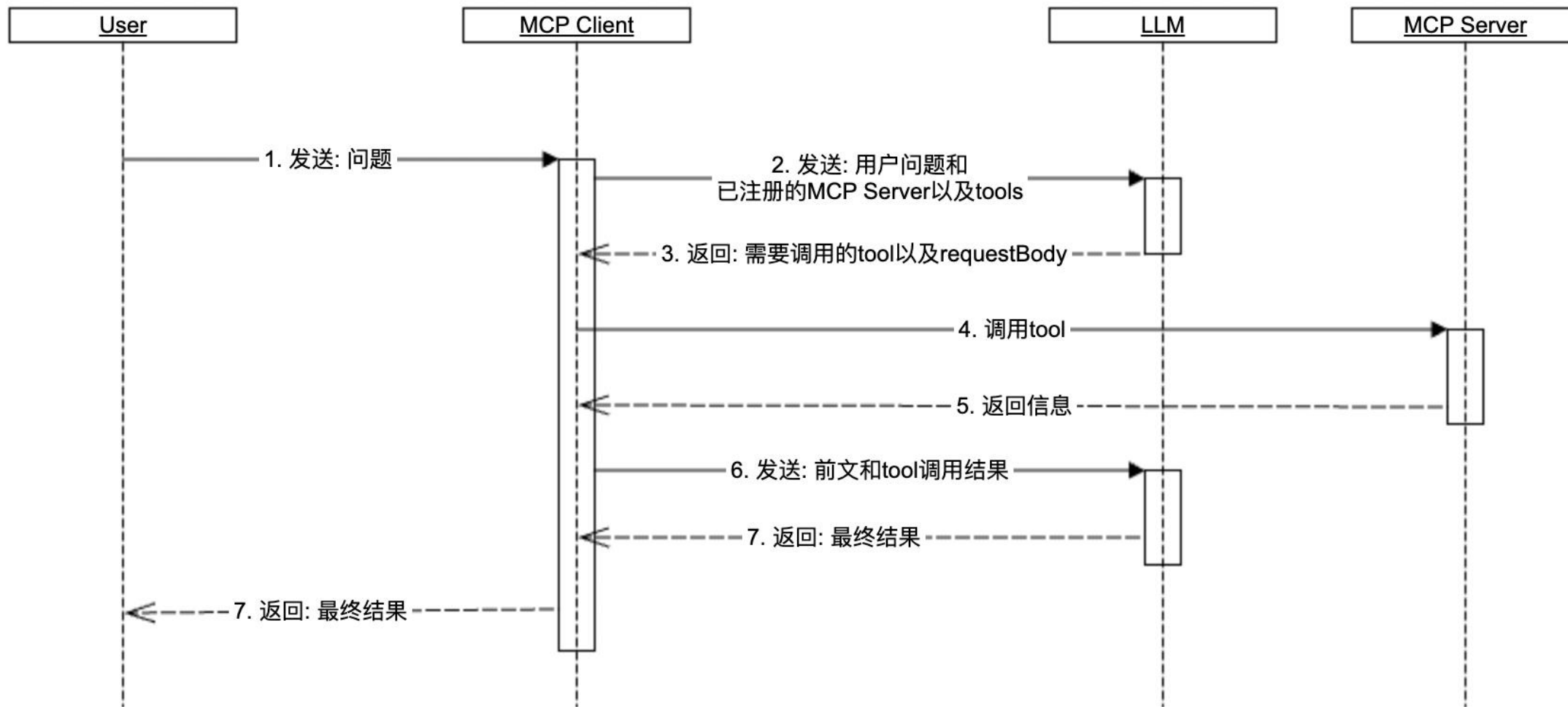


Live Coding

3.1 Live Coding – Overall Structure



3.1 Live Coding – Sequence Diagram



4.1 最后的最后



<https://suno.com/song/201244e5-959a-40c2-8e1c-b3d0eda16132>

附录

- MCP官方文档: <https://modelcontextprotocol.io/introduction>
- MCP 仓库:
 - <https://mcp.so/>
 - <https://smithery.ai/>
- Spring AI 官方文档: <https://docs.spring.io/spring-ai/reference/index.html>
- Demo工程Repo:
 - MCP Client: <https://github.com/Ida-Happy/mcp-client-demo>
 - MCP Server: <https://github.com/Ida-Happy/mcp-server-demo>

Rakuten