Engineering Industrial Applications with Generative AI

Ferienakademie Course 2

Sarnthein (Italy), September 22 - October 4, 2024

Participating Universities

FAU FAPS TUM Universität Stuttgart

In cooperation with

SIEMENS

Edge configuration

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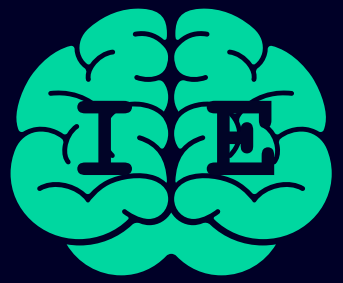
Problem Statement

Currently engineers take up to 40 hours to set up edge devices.

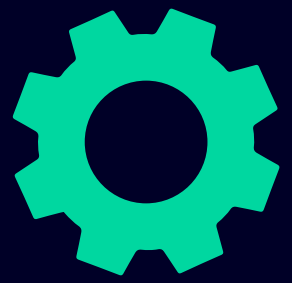
Christoph S.

Proposed Solution

Features



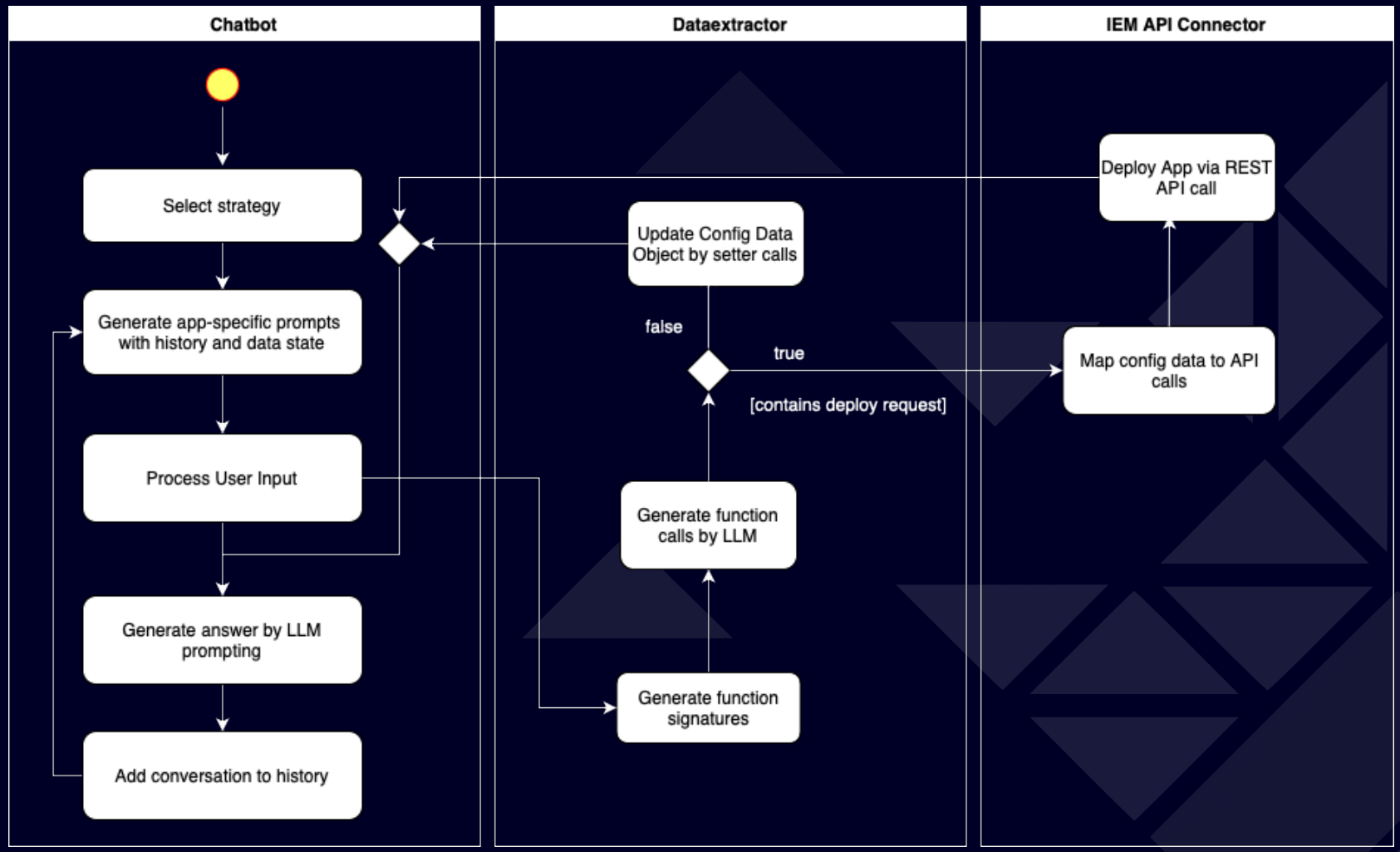
Knowledge Support



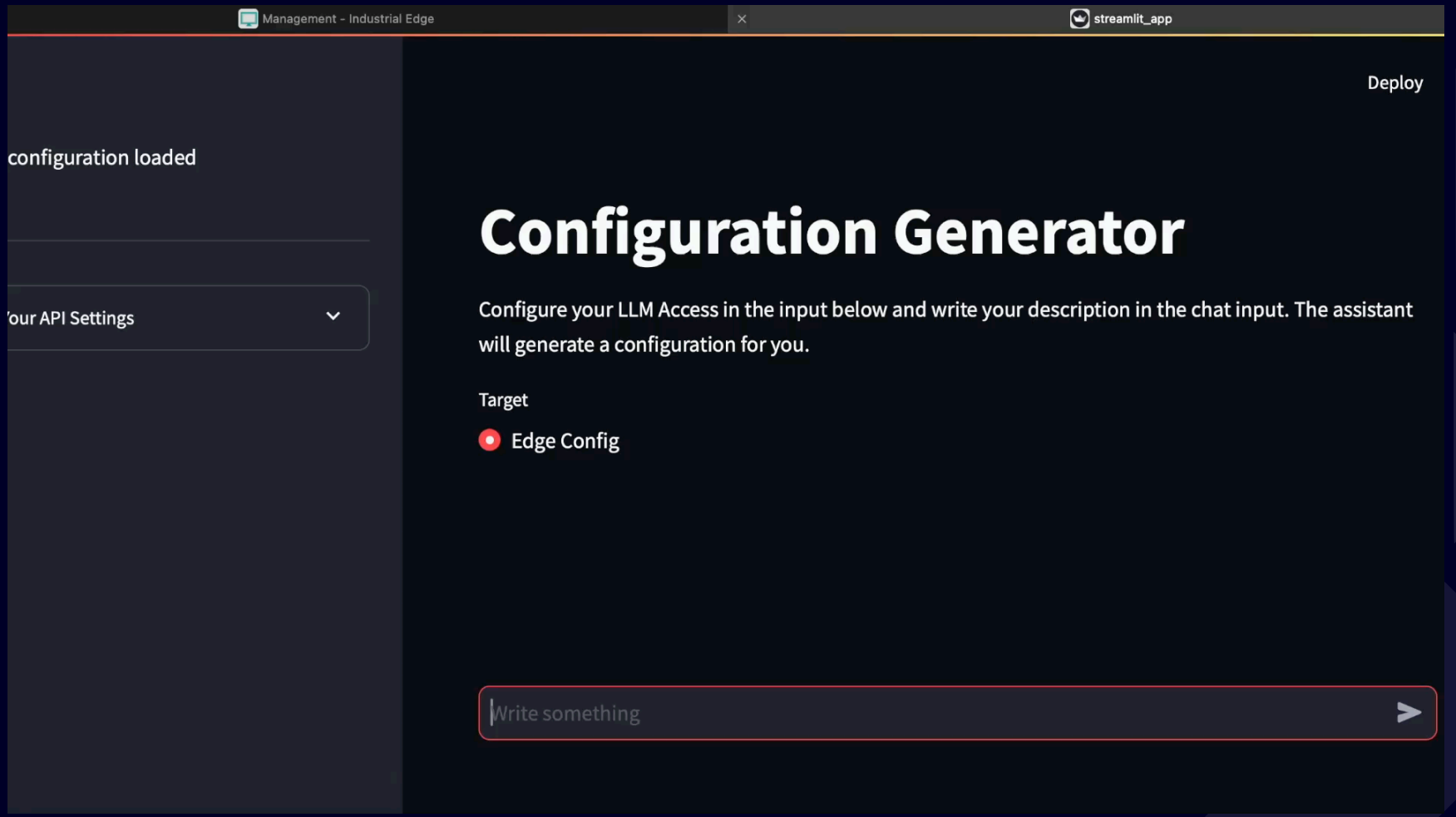
Configuration

Deployment

Architecture



Demo


Management - Industrial Edge
streamlit_app
Deploy
configuration loaded
our API Settings
Configuration Generator
Configure your LLM Access in the input below and write your description in the chat input. The assistant will generate a configuration for you.
Target
Edge Config
Write something

Challenges

Scalability is highly dependent on

- The documentation of IE apps
- Quality of models to generate structured output
- Further abstractions to ease the configuration

Future Work

Advanced constulting on IE
Reconfigure apps
Support all apps
Generate custom apps