

23



# CityEventScout

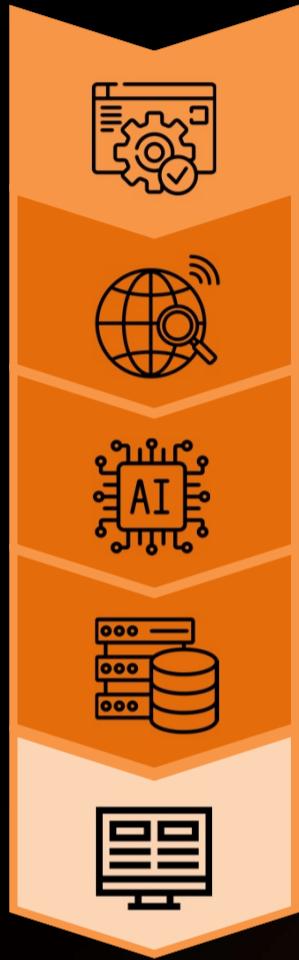


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## Problem Description

Information about local events is scattered across multiple platforms such as social media and websites. Users often miss events of interest due to the lack of a centralized, automated solution for discovering and monitoring local activities. Manual searching is time-consuming and inefficient, most systems still require manual event input instead of automated scraping.

## Architecture



### Admin Layer

Admin Web UI for managing event sources, scraping schedules, and newsletter configuration.

### Data Collection Layer

AWS-based scraping services automatically collect events from external platforms (e.g. Facebook, toootoot.fm).

### AI Processing Layer

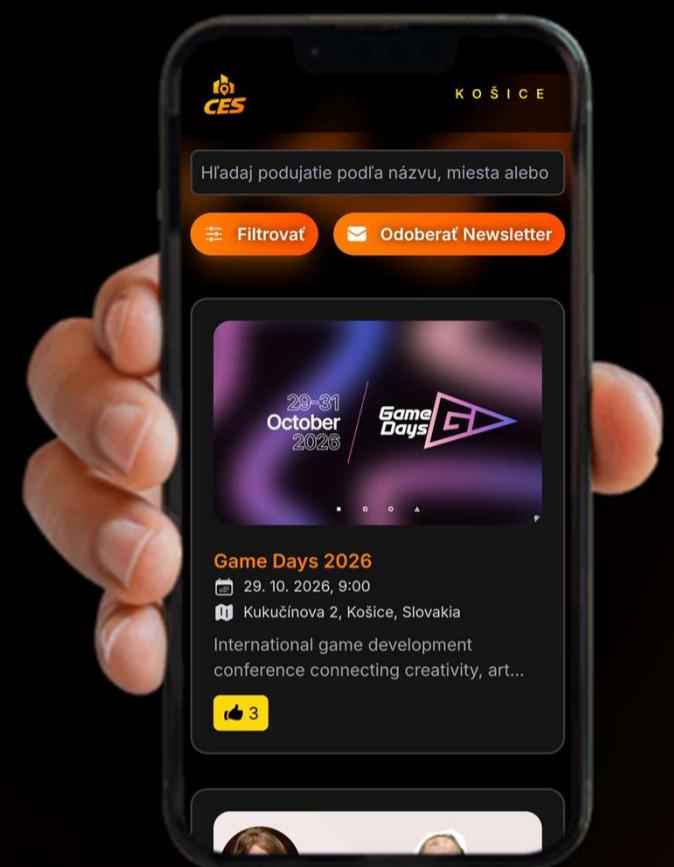
LLM-powered processing handles content cleaning, relevance evaluation, and structuring of event details.

### Storage Layer

A centralized database stores processed events and ensures data consistency, scalability, and availability.

### Distribution Layer

Public Web UI for browsing city events and automated email newsletters for event distribution.



## Solution Evaluation

- Before:** Local events were scattered across platforms, requiring manual browsing and causing missed opportunities.
- After:** CityEventScout provides a centralized source of local events and continuously discovers new events without manual intervention.
- Quality improvement:** Event information is standardized and cleaned, improving readability and usability for end users.
- Operational improvement:** Administration is reduced to configuring sources and schedules, instead of manually maintaining event content.
- User value:** Users can discover events faster and receive regular updates, improving engagement with local activities.
- Readiness:** The solution is deployment-ready and designed for future expansion by integrating additional event-source platforms.

## Video



## Admin Dashboard

