



Prepared by Team (AgentOps)

DevNewsCopilot

Your AI-Powered Coding News Companion

Submitted under the Blackbox.ai Track – Lablab Hackathon
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Team Members

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Backend & Groq Agent Integration

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Blackbox.ai API + LLM Prompt Tuning

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PM, QA & Documentation

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Frontend Development + UI Animations

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UI/UX Design, Presentation & Final Pitch

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Strategy, Ethics & Demo Scripting



Problem Statement



- Developers are drowning in an ever-expanding sea of tech and AI news.
- Most articles lack context, clarity, or coding relevance.
- Finding high-signal, developer-specific insights takes too much time.
- Manually filtering news wastes hours that could be spent building.



Scope & Objective

What we set out to do:

To build an AI-native agent system that automates the process of:

- Fetching relevant AI/dev news
- Summarizing it intelligently
- Delivering developer-centric insights with code snippets

Core Objective:

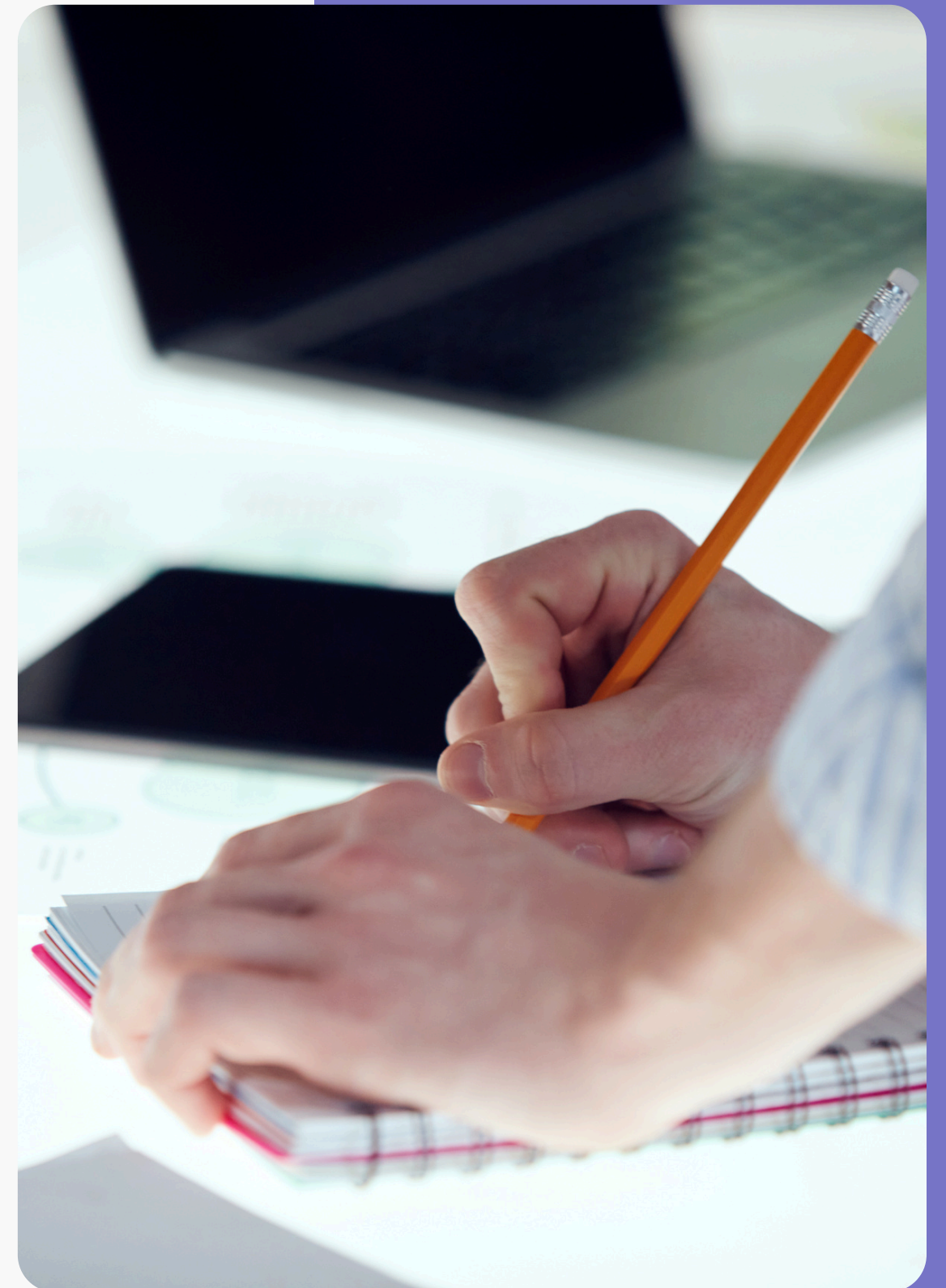
Automate the reading, filtering, and summarizing of AI/dev articles, so developers can focus on learning and building.



Solution

DevNewsCopilot = Dual-Agent AI System

- Users enter a topic (e.g., “LLM Benchmarking”).
- Groq + LLaMA-3 Agent scans and summarizes 7–10 recent articles.
- Blackbox.ai API refines and enriches the summaries:
 - Developer insights
 - Code snippets
 - Real-world application use cases
- Outputs a clean, structured developer-focused news digest.



Tech Stack

Layer

Frontend

Backend

LLM Inference

Agents

Code Output

Deployment

Technologies

React.js, TailwindCSS, Framer Motion

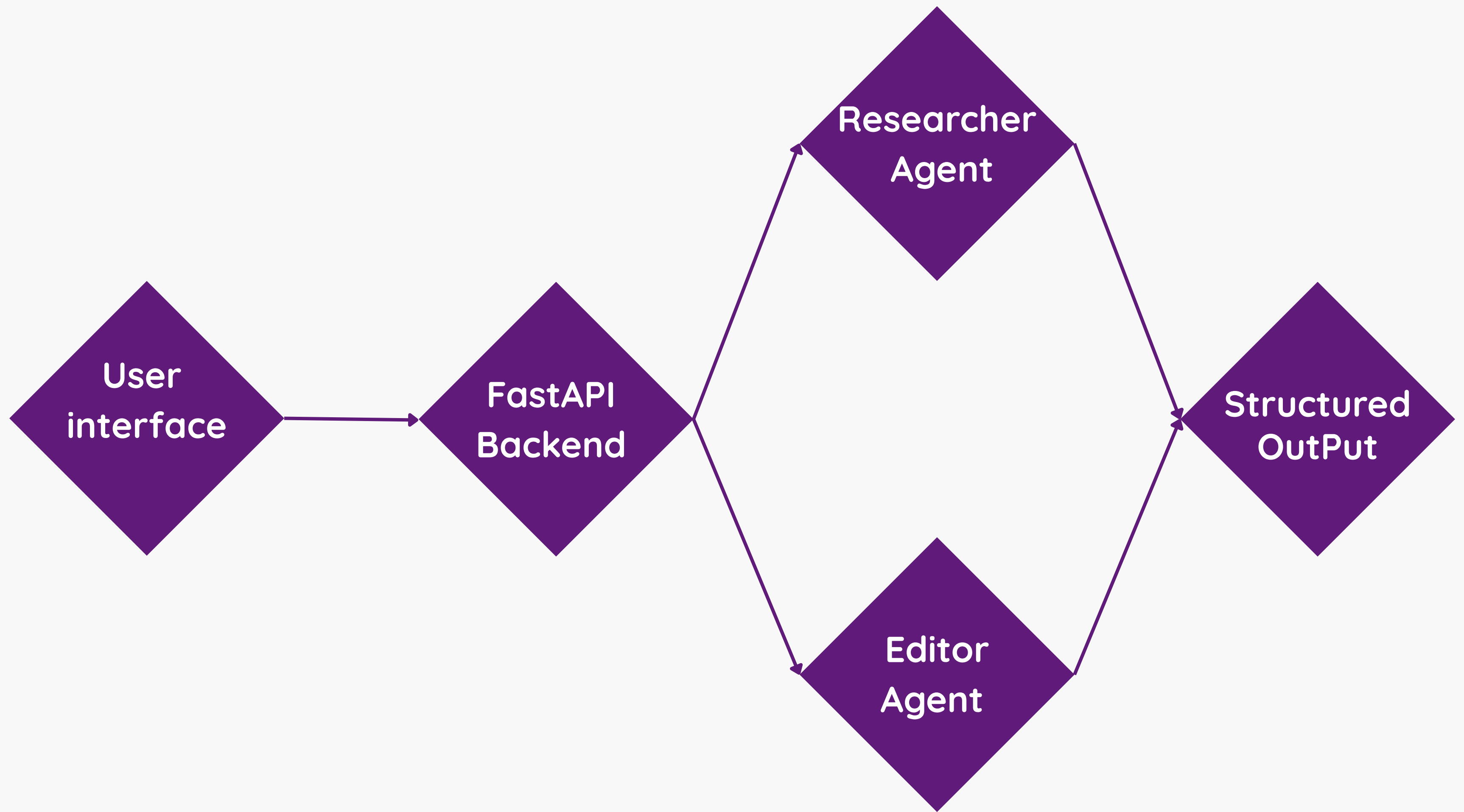
FastAPI (Python)

Groq API with LLaMA 3

Blackbox.ai API for developer-focused editing

Syntax Highlighter

Frontend , Backend



User Interface Preview

