Prepared by Team (AgentOps)

DevNewsCopilot

Your AI-Powered Coding News Companion

Submitted under the Blackbox.ai Track – Lablab Hackathon 2025

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Team Members

Taha Saddiqui	Backend & Groq Agent Integration
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Ella	Frontend Development + UI Animations
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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

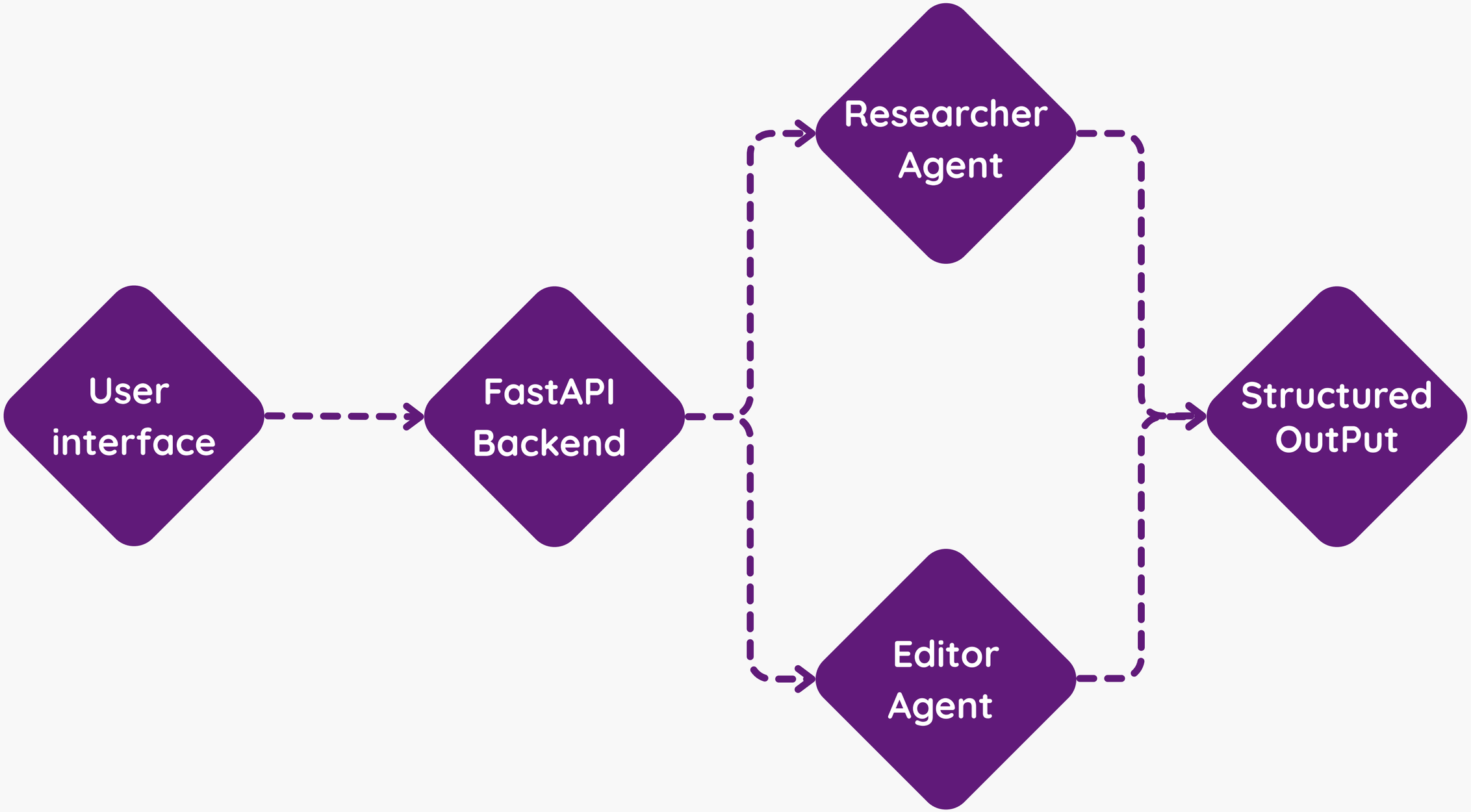
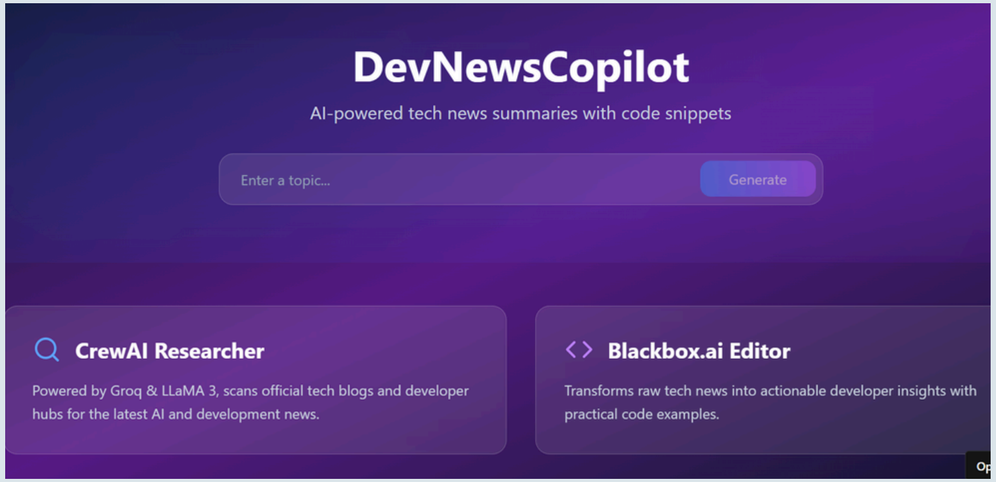
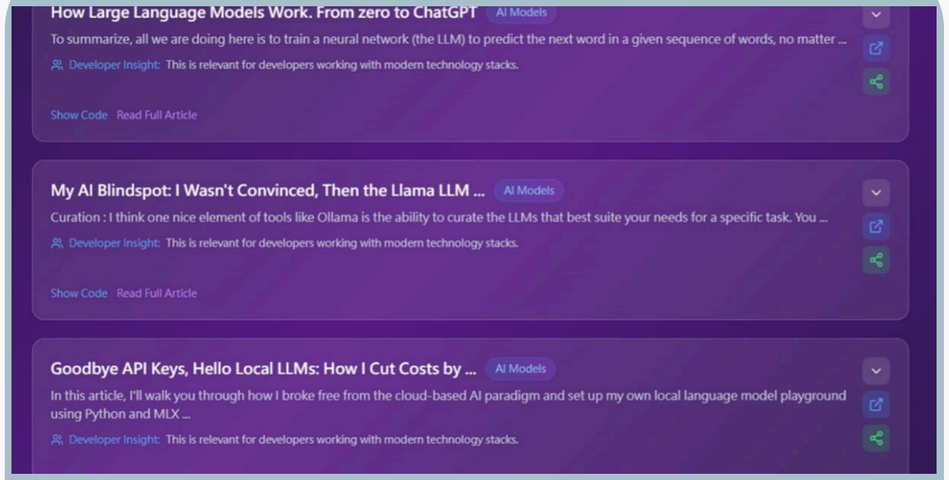
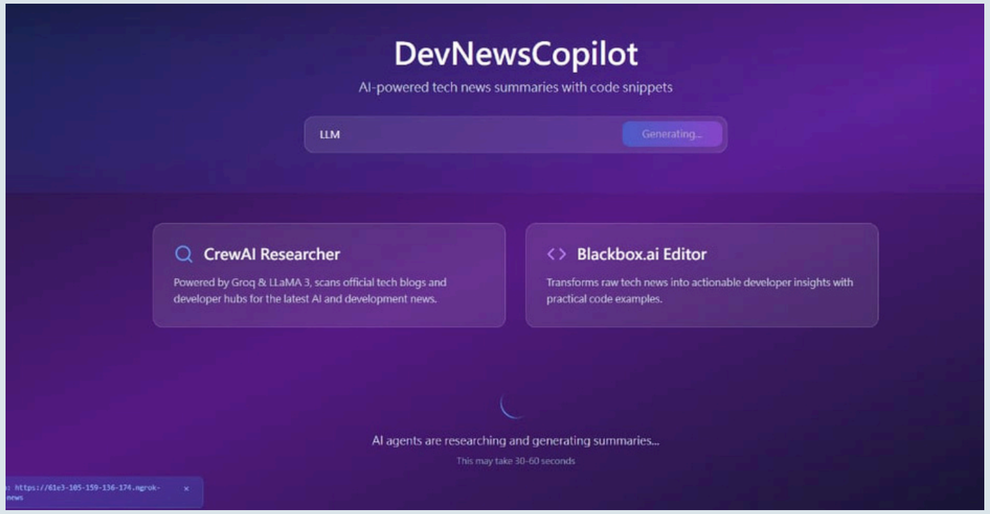
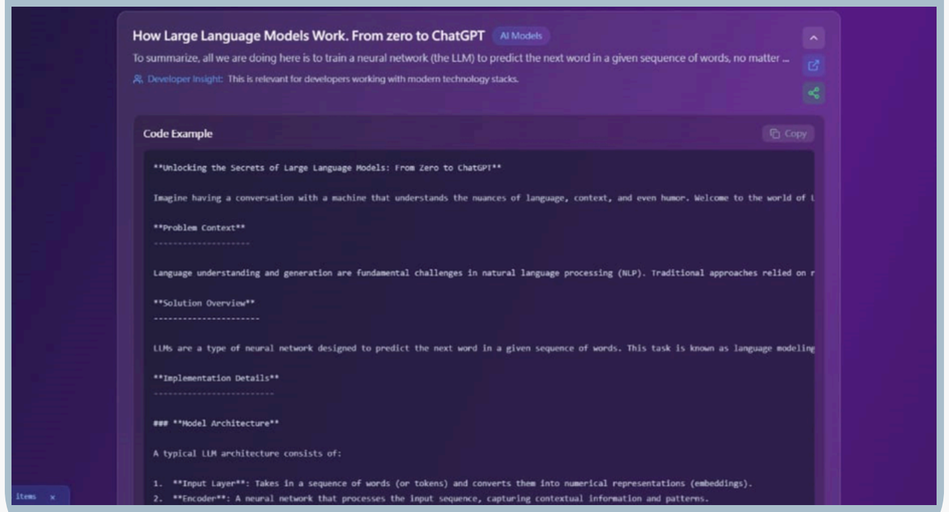
Read less, Build more

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	Technologies
Frontend	React.js, TailwindCSS, Framer Motion
Backend	FastAPI (Python)
LLM Inference	Groq API with LLaMA 3
Agents	Blackbox.ai API for developer-focused editing
Code Output	Syntax Highlighter
Deployment	Frontend , Backend


User interface
FastAPI Backend
Researcher Agent
Editor Agent
Structured OutPut

User Interface Preview