PROJECT CASE STUDY / OCTOBER 10, 2026

Public Knowledge Assistant | WordPress, FastAPI & RAG

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Public WordPress assistant · deployed September 29

Workflow and contribution

Deployed a public WordPress assistant grounded in approved creator videos. FastAPI, SQLite FTS5, local embeddings and rank fusion provide retrieval without a hosted vector database. Relevance checks, citations, atomic source updates and scheduled backups support operations. September 29 release evidence includes a real grounded answer with five sources and a public homepage check. Paid membership and course material are excluded; the earlier members-only brief is historical.

Implementation and delivery boundaries

A public WordPress knowledge assistant grounded in approved YouTube material. FastAPI combines SQLite FTS5, local embeddings and rank fusion without a hosted vector database. Relevance checks and source citations constrain answers; paid membership and course material are excluded from the public release. Manifest checks, atomic knowledge updates, daily refresh and scheduled backups support operations. The September 29 go-live record includes a real grounded answer with five sources, a public homepage check and execution of the actual scheduled backup command. The earlier members-only brief is historical.

Tools

FastAPI, SQLite FTS5, WordPress

Evidence

September 29 release records · October 10 public case study

This case study separates recorded verification from unfinished integrations and planned work. Historical checks describe their recorded release; they do not establish present service health, clinical acceptance, compliance certification or commercial capacity.