Liang Hongkai

AI Application Developer

Chongqing, China 1810324515@qq.com github.com/hongkailiang49-byte

Summary

Led the migration of an acceptance-tool rule engine to DingTalk and built SmartAgenda, a multi-source todo workspace. Core focus: connecting company systems and DingTalk through AI to reduce cost and raise efficiency — attendance reports run fully automatically, no todo slips through, and system usage questions are answered instantly. Comfortable diving into business rules (reverse-engineered a packaged desktop app) and shipping full-stack (FastAPI + Vue 3 + RAG).

Projects

SmartAgenda — AI Collaboration Workspace

2026-07 – now

- Unified todos from email / DingTalk todos / transcripts / group messages; AI classifies, dedupes, and two-way syncs
- RAG Q&A with DeepSeek + BGE-M3 + Qdrant; SSE streaming, traceable references, user-context injection
- Task dispatch: manager creates task → assigns by org chart → progress / feedback / approval loop

Acceptance Tool — Rule Engine Migration (WeLink Attendance Assistant)

2026-07

- Reverse-engineered a PyInstaller desktop app (no source) via unpacking + pycdc/dis; 5 rounds of rule fixes (unified settle-hour logic, fixed-shift detection, declared-hours priority)
- LLM fallback parses unstructured approval remarks, flagged for human review; repackaged and verified by unpacking

DingTalk Attendance Report Automation (Phase B)

2026-08

- Pulls attendance / schedules / approvals via DingTalk Open API; reuses the acceptance rule engine; auto-generates 5-sheet xlsx on the 1st of each month and pushes to HR
- Test/prod app switching with encrypted secrets; manual re-run & re-push; archived data handles the 6-month API window

Tech Stack

Python 3.12 · FastAPI · SQLModel · PostgreSQL · Vue 3 · TypeScript · Qdrant · DeepSeek · BGE-M3 · DingTalk Open Platform · RAG · Docker · pandas / openpyxl · PyInstaller · Reverse Engineering

Seeking: AI Application Development / AI cost-reduction & efficiency / Enterprise Agents