

Drop Net / AI Hawk — Application Surface

Architecture skeleton · 2026-10-02

Executive framing

Drop Net is the portfolio surface name for the Mens Mercatus vacancy → draft-apply pipeline, tied to JobNet and the AI Hawk draft agent. It shares the JobNet thesis (retrieval, ranking, LLM-assisted tailoring, human-gated drafts) while naming the operator-facing Drop Net / AI Hawk chrome. Status: baking — not proven live scrape/apply fire.

System thesis

Same control loop as JobNet: ingest LinkedIn/Glassdoor corpora → embed/rank vs core résumé prior → constrained tailor → AI Hawk draft artifacts → human confirm → Gmail watch + 24h nudge. Drop Net is the product label on the apps/drop-net page that embeds the JobNet brief + demo.

RETRIEVAL

LinkedIn · Glassdoor in scope
Indeed deferred
Dedup URL + hash
Noon SAST cadence designed
Not claimed live fire
Corpus = role documents

AI HAWK

Draft application messages
Human confirm gate hard
No silent submit
Review PDF per listing
Faithfulness evals designed
Cartel HQ email notify only

DROP NET UI

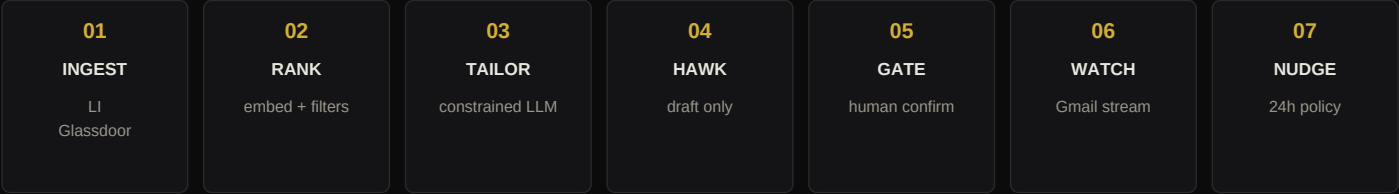
apps/drop-net portfolio page
Embeds JobNet PDF + demo
Job-Net.app expects :8766
Backend in progress
Shared JobNet routines
Status: baking

Non-goals (explicit)

- Not unsupervised bulk apply spam — draft-only constraint shared with JobNet.
- Not a second divergent architecture — this brief aliases JobNet with Drop Net naming.
- Not a completed :8766 backend.

Schematic A — Control loop

scrape → retrieve/rank → tailor → Hawk draft → confirm → watch → nudge



Same weekday loop as JobNet · Drop Net is the surface name · never auto-submit

ML / systems vocabulary (as designed)

Retrieval corpus	Role postings as documents with seniority/geo/stack metadata.
Ranking objective	Listing embeddings vs résumé prior; allowlist override.
LLM-assisted tailor	Emphasis redistribution; forbid hallucinated employers/metrics.
Agentic Hawk	Tool-mediated drafts; commit = human confirmation.
Evals	Faithfulness, JD coverage, time-to-confirm, reply recall.
Latency budgets	Noon ingest; overnight tailor; near-real-time watch; ~24h nudge.

Schematic B — Runtime topology

drop-net page · Job-Net.app · :8766 in progress · shared routines

PORTFOLIO SURFACE

apps/drop-net/index.html
PDF + demo video CTAs
Honest baking copy
Links vault JobNet PDF
Also Drop Net brief PDF
Dual naming intentional

CLIENT SHELL

Job-Net.app macOS WebKit
Entry :8766/##/architect
Backend missing from zip
Status: inventoried wrapper
Do not claim ships yet
AI Hawk = draft agent

AUTOMATION

Grok Bot JobNet routines
Noon scrape designed
03:00 tailor + drafts
Gmail reply watch
Email-only Cartel HQ
Baking — not live fire

Naming map

JobNet = architecture/pipeline name. Drop Net = portfolio app hub label. AI Hawk = draft agent. One system; three names. Prefer linking both briefs from the drop-net page.

WEEKDAY CADENCE (DESIGNED)

12:00 SAST ingest+rank · 03:00 tailor+Hawk drafts · day watch windows · 24h nudge
Notify: Cartel HQ email only — no SMS
Apply path stays draft-staged until confirm

Eval plan · risks · portfolio note

[How to read this artifact](#)

Evaluation axes (when live / under demo)

- Faithfulness — draft claims $\subseteq$ résumé + listing facts.
- Coverage — JD keyword overlap after tailor.
- Human gate latency — draft ready $\rightarrow$ confirm/reject.
- Reply recall — recruiter replies detected in watch windows.

Primary risks

- Board ToS / anti-bot constraints on ingestion.
- LLM drift inventing experience.
- Shell/backend skew until :8766 exists.

PORTFOLIO READING GUIDE

Drop Net / AI Hawk surface brief — shares JobNet agentic career pipeline thesis.

Pair with JobNet_Skeleton_Architecture_Brief.pdf and the drop-net demo video.

We're baking it — draft-only, scrapers not claimed as proven live fires.