

# SignalForge (Reddit Pain Point Scanner)

## What it is

SignalForge is a lightweight web app that scans Reddit and X for pain points and explicit app or tool requests.

It turns matches into SaaS idea briefs with mention counts and source evidence.

## Who it's for

Founders and product builders who want SaaS idea briefs sourced from social discussions.

## What it does

- Workspace-based authentication for solo or team use.
- Reddit scanning with configurable subreddits and optional comments.
- X connector with keyword queries (recent search).
- Optional Bluesky and Mastodon connectors.
- Idea clustering with mention counts and willingness-to-pay signals.
- Evidence table with source links, plus filters, sorting, and scheduled scans.

## How it works

- FastAPI app (app/main.py) serves Jinja2 templates, static assets, and session auth.
- Scan modules call external APIs (Reddit, X, Bluesky, Mastodon) to collect posts.
- Background scheduler runs scans and writes results to SQLite (data/app.db) via app/db.py.
- Results saved to scans, scan\_results, and idea\_summaries tables and rendered in the UI; CLI reddit\_scan.py can output CSVs.

## How to run

- Create API credentials for Reddit and X; optional Mastodon token.
- Copy .env.example to .env and fill in keys.
- Install deps: pip install -r requirements.txt.
- Start: uvicorn app.main:app --reload then open http://127.0.0.1:8000.