

Reference

Repository map

Updated 25 September 2026

The three repositories — data, platform, app — and what every important path is for, one line each, as an expandable map with links into the code at the right ref.

<https://docs.gurbanisoul.com/reference/repo-map/>

Three repositories, one purpose each ([ADR-0007](#)). Open a folder to see what lives in it; every entry links to the file or directory on GitHub.

▼ | **Algoythmos-AI/sggs-platform — the API and the web — serves exactly the database dataset.lock.json pins**

[open Algoythmos-AI/sggs-platform on GitHub](#)¹

[dataset.lock.json](#)² — the sggs-data commit + database sha256/size this platform serves

▼ **webapp/ — the stdlib server and the API**

[open webapp/ on GitHub](#)³

[webapp/serve.py](#)⁴ — composition root: build identity, the ROUTES table, the HTTP layer, startup

[webapp/sggs/](#)⁵ — the five bounded contexts: core, search, reader, verification, insights, knowledge

[webapp/verify.py](#)⁶ — the quotation-verification engine

[webapp/romannorm.py](#)⁷ — the query-time Roman fold (byte-identical to the index-time fold)

[webapp/static/](#)⁸ — the prebuilt website the server serves

[webapp/tests/](#)⁹ — server, contract and repo-gate tests

▼ **frontend/ — the website's Astro source (built into webapp/static/)**

[open frontend/ on GitHub](#)¹⁰

[frontend/vercel.json](#)¹¹ — the gateway rewrites, generated by tools/gen_gateway.py

[frontend/public/contributors.json](#)¹² — the public-domain chronology of the Granth's contributors (vendored by the app)

[contract/](#)¹³ — the golden contract: recorded outputs of the engines plus openapi.json; vendored by the app

[gateway/routes.json](#)¹⁴ — per environment, where /api traffic goes; frontend/vercel.json is generated from it

▼ **tools/ — generators, harnesses and gates**

[open tools/ on GitHub](#)¹⁵

[tools/gen_golden_vectors.py](#)¹⁶ — records the golden contract from the real functions

[tools/gen_openapi.py](#)¹⁷ — contract/openapi.json from the route declarations and real responses

[tools/gen_gateway.py](#)¹⁸ — frontend/vercel.json from serve.ROUTES and gateway/routes.json

[tools/gen_route_table.py](#)¹⁹ — docs/api/routes.md from the dispatcher and the OpenAPI declarations

[tools/contract http.py](#)²⁰ — replays the golden contract over HTTP against any running API
[tools/roundtrip_harness.py](#)²¹ — search recall: every line's own transliteration
[tools/casual_quote_harness.py](#)²² — search recall: casualised fragments of real lines
[tools/chaos_harness.py](#)²³ — search recall: adversarial attack files against a running server
[tools/docs_check.py](#)²⁴ — the wiki's gate: frontmatter, links, widgets, palette, scripture rule, posters, stamps, drift
[tools/fetch_sibling_docs.py](#)²⁵ — installs the sibling repositories' docs at their pinned commits
[tools/data_canary.py](#)²⁶ — production serves the pinned scripture byte for byte
[tools/perf_baseline.py](#)²⁷ — p50/p95 per context against one origin; the +10 % gate for the service split
[tools/slice_db.py](#)²⁸ — a service's database slice from the pinned one, proven equal in content
[tools/build_api_functions.py](#)²⁹ — the per-context API functions deployed inside the web project

✓ **scripts/ — ci, release, ops and data tooling**

[open scripts/ on GitHub](#)³⁰
[scripts/data/fetch_dataset.py](#)³¹ — installs db/sggs.sqlite from the pin, sha256-verified, atomically
[scripts/ci/](#)³² — what the workflows call: wait for checks, smoke deploys, verify functions
[scripts/release/](#)³³ — bump the unified version, preflight a release, prove a release complete
[scripts/ops/verify_prod.py](#)³⁴ — prove what production serves by commit identity
[scripts/gh/apply_rulesets.sh](#)³⁵ — apply .github/rulesets/*.json to the repository
[docs/](#)³⁶ — this wiki's pages (PR-reviewed Markdown; rendered by docs-site/)
[docs-site/](#)³⁷ — the Astro Starlight site over docs/: plugins, widgets, posters, gates, e2e
[.github/workflows/](#)³⁸ — every CI workflow — the CI gates map
[.github/rulesets/](#)³⁹ — the branch protection as code
[qa/chaos/](#)⁴⁰ — adversarial search inputs for the chaos harness
[Makefile](#)⁴¹ — every developer and CI entry point: make help

✓ **Algorithms-AI/sggs-data — the scripture: corpus, database, rebuild pipeline, gates, editorial ledger, evidence**

[open Algorithms-AI/sggs-data on GitHub](#)⁴²
[corpus/sggs.jsonl](#)⁴³ — 60,658 verbatim line records, proven character for character against the PDF
[db/sggs.sqlite](#)⁴⁴ — the published database (Git LFS), by commit and sha256

✓ **pipeline/ — PDF → corpus → database, every stage gated**

[open pipeline/ on GitHub](#)⁴⁵
[pipeline/rebuild_all.sh](#)⁴⁶ — the one-command reproducible rebuild
[pipeline/build_corpus.py](#)⁴⁷ — extraction: page content, fix_text, segmentation, headers, post-passes
[pipeline/sggs_pipeline.py](#)⁴⁸ — fix_text, transliteration, roman_norm, segment_units, detect_header
[pipeline/reconcile.py](#)⁴⁹ — the corpus equals the PDF's text stream, character for character
[pipeline/golden_test.py](#)⁵⁰ — nine groups of canonical structural checks
[pipeline/build_db.py](#)⁵¹ — the SQLite tables and the FTS5 index
[pipeline/build_ios_db.py](#)⁵² — the iOS database pair, two profiles (vendored by the app)
[pipeline/ledger_check.py](#)⁵³ — code == the editorial ledger; a scripture change needs an entry

[pipeline/verify_regroup.py](#)⁵⁴ — only comp_id and line_no may change between databases
[audit/](#)⁵⁵ — the evidence: editorial ledger, dataset fingerprint, data-quality and scripture baselines
[docs/](#)⁵⁶ — the data repository's docs (pinned and published on this wiki under /data/)
[Answer-Protocol.md](#)⁵⁷ — how Gurbani questions are answered from this knowledge base

▼ | **Algorythmos-AI/gurbani-soul-ios — the app: SwiftUI, widgets, the bundled database pair, TestFlight and App Store tooling**

[open Algorythmos-AI/gurbani-soul-ios on GitHub](#)⁵⁸

[vendor.lock.json](#)⁵⁹ — the platform contract and the database builder, pinned by commit and sha256 per file

[dataset.lock.json](#)⁶⁰ — the same sggs-data pin as the platform

▼ ios/App/ — the app target (project.yml → XcodeGen)

[open ios/App/ on GitHub](#)⁶¹

[ios/App/Sources/Data/LaunchIntegrity.swift](#)⁶² — the fail-closed launch check against the manifest

[ios/App/Sources/Persistence/SavedLine.swift](#)⁶³ — the bookmarks store and its versioned schema

[ios/Packages/GurbaniSearchKit/](#)⁶⁴ — the Swift ports of search, verify, reader, timing, banis, insights — and their parity tests

[ios/tools/testflight_archive.sh](#)⁶⁵ — the only sanctioned way to build a TestFlight or App Store candidate

[ios/testflight-builds.json](#)⁶⁶ — the ledger of every upload

[scripts/vendor_sync.py](#)⁶⁷ — re-vendor the contract or the database builder at a pinned commit

[docs/](#)⁶⁸ — the app's docs (pinned and published on this wiki under /ios/)

How to read it

- **sggs-platform** is this repository: the API and the website, and the wiki you are reading.
- **sggs-data** owns the scripture: nothing here writes it; it arrives by pin.
- **gurbani-soul-ios** owns the app: it vendors this repository's contract at a release tag.

When a newcomer asks “what is this file?”, the answer belongs in the map. Add the path with a one-line purpose; the check refuses a path that does not exist.

Links

1. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/>
2. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/dataset.lock.json>
3. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/webapp/>
4. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/webapp/serve.py>
5. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/webapp/sggs/>
6. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/webapp/verify.py>
7. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/webapp/romannorm.py>
8. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/webapp/static/>
9. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/webapp/tests/>
10. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/frontend/>

11. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/frontend/vercel.json>
12. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/frontend/public/contributors.json>
13. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/contract/>
14. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/gateway/routes.json>
15. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/tools/>
16. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/tools/gen_golden_vectors.py
17. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/tools/gen_openapi.py
18. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/tools/gen_gateway.py
19. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/tools/gen_route_table.py
20. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/tools/contract_http.py
21. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/tools/roundtrip_harness.py
22. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/tools/casual_quote_harness.py
23. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/tools/chaos_harness.py
24. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/tools/docs_check.py
25. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/tools/fetch_sibling_docs.py
26. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/tools/data_canary.py
27. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/tools/perf_baseline.py
28. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/tools/slice_db.py
29. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/tools/build_api_functions.py
30. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/scripts/>
31. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/scripts/data/fetch_dataset.py
32. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/scripts/ci/>
33. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/scripts/release/>
34. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/scripts/ops/verify_prod.py
35. https://github.com/Algorythmos-AI/sggs-platform/tree/integration/scripts/gh/apply_rulesets.sh
36. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/docs/>
37. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/docs-site/>
38. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration.github/workflows/>
39. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration.github/rulesets/>
40. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/qa/chaos/>
41. <https://github.com/Algorythmos-AI/sggs-platform/tree/integration/Makefile>
42. <https://github.com/Algorythmos-AI/sggs-data/tree/main/>
43. <https://github.com/Algorythmos-AI/sggs-data/tree/main/corpus/sggs.jsonl>
44. <https://github.com/Algorythmos-AI/sggs-data/tree/main/db/sggs.sqlite>
45. <https://github.com/Algorythmos-AI/sggs-data/tree/main/pipeline/>
46. https://github.com/Algorythmos-AI/sggs-data/tree/main/pipeline/rebuild_all.sh
47. https://github.com/Algorythmos-AI/sggs-data/tree/main/pipeline/build_corpus.py
48. https://github.com/Algorythmos-AI/sggs-data/tree/main/pipeline/sggs_pipeline.py
49. <https://github.com/Algorythmos-AI/sggs-data/tree/main/pipeline/reconcile.py>
50. https://github.com/Algorythmos-AI/sggs-data/tree/main/pipeline/golden_test.py
51. https://github.com/Algorythmos-AI/sggs-data/tree/main/pipeline/build_db.py
52. https://github.com/Algorythmos-AI/sggs-data/tree/main/pipeline/build_ios_db.py
53. https://github.com/Algorythmos-AI/sggs-data/tree/main/pipeline/ledger_check.py
54. https://github.com/Algorythmos-AI/sggs-data/tree/main/pipeline/verify_regroup.py
55. <https://github.com/Algorythmos-AI/sggs-data/tree/main/audit/>
56. <https://github.com/Algorythmos-AI/sggs-data/tree/main/docs/>
57. <https://github.com/Algorythmos-AI/sggs-data/tree/main/Answer-Protocol.md>
58. <https://github.com/Algorythmos-AI/gurbani-soul-ios/tree/main/>
59. <https://github.com/Algorythmos-AI/gurbani-soul-ios/tree/main/vendor.lock.json>

60. <https://github.com/Algorythmos-AI/gurbani-soul-ios/tree/main/dataset.lock.json>
61. <https://github.com/Algorythmos-AI/gurbani-soul-ios/tree/main/ios/App/>
62. <https://github.com/Algorythmos-AI/gurbani-soul-ios/tree/main/ios/App/Sources/Data/LaunchIntegrity.swift>
63. <https://github.com/Algorythmos-AI/gurbani-soul-ios/tree/main/ios/App/Sources/Persistence/SavedLine.swift>
64. <https://github.com/Algorythmos-AI/gurbani-soul-ios/tree/main/ios/Packages/GurbaniSearchKit/>
65. https://github.com/Algorythmos-AI/gurbani-soul-ios/tree/main/ios/tools/testflight_archive.sh
66. <https://github.com/Algorythmos-AI/gurbani-soul-ios/tree/main/ios/testflight-builds.json>
67. https://github.com/Algorythmos-AI/gurbani-soul-ios/tree/main/scripts/vendor_sync.py
68. <https://github.com/Algorythmos-AI/gurbani-soul-ios/tree/main/docs/>
69. <https://github.com/Algorythmos-AI/sggs-platform/blob/integration/docs/reference/repo-map.json>

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