OmniLibrarian™ Architecture Dossier

Autonomous Codebase Taxonomy & Systems Radar • Scanned: 2026-11-12 10:58:40

1. System Scale & Vital Metrics

Total Files Scanned:	**19469**	**Lines of Code (LOC):**	**419,891**
Indexed Symbols:	**1581**	**FastAPI Endpoints:**	**339**
Database Models:	**16**	**Documentation Ratio:**	**63.2%**

2. Architectural Shelf Taxonomy

Shelf ID & Name	Component Category	File Count
010 Core Kernel	Framework Kernels, Configs & Entry Points	**2**
020 Data Models	Database Models, SQLite/SQLAlchemy Schemas	**10**
030 Domain Services	Autonomous Business Engines & AI Services	**75**
040 API Routers	FastAPI Controllers, Endpoints & Handlers	**26**
050 UI Templates	Interactive UI Layouts & HTML Views	**152**
060 Test Suites	Automated Unit Tests & Verification Gates	**49**
070 Appliances Packages	Standalone Server Appliances & ZIP Bundles	**1**
080 Ancillary Scripts	Utility Scripts & Maintenance Tooling	**19154**

3. Master API Route Radar (339 Registered Endpoints)

Method	Path	Handler	Source File:Line
GET	`/health`	**health_endpoint**	app/main.py:242
GET	`/api/health`	**api_health_check**	app/main.py:291
GET	`/study/enoch`	**private_enoch_study_suite**	app/main.py:318
GET	`/study/enoch_data.js`	**private_enoch_study_js**	app/main.py:330
GET	`/study/enoch_database.json`	**private_enoch_study_json**	app/main.py:336
GET	`/study/kjv_apocrypha.json`	**private_kjv_apocrypha_json**	app/main.py:342
GET	`/study/kjv_apocrypha_data.js`	**private_kjv_apocrypha_js**	app/main.py:348
GET	`/demo/arrow-key-scroller`	**demo_arrow_key_scroller_page**	app/main.py:355
GET	`/submit`	**submit_page**	app/main.py:362

GET	/login	login_page	app/main.py:377
GET	/register	register_page	app/main.py:392
GET	/sitemap.xml	sitemap_xml	app/main.py:407
GET	/sitemap-apks.xml	sitemap_apks_xml	app/main.py:498
GET	/robots.txt	robots_txt	app/main.py:534
GET	/llms.txt	llms_txt	app/main.py:597
GET	/llms-full.txt	llms_full_txt	app/main.py:633
GET	/opensearch.xml	opensearch_xml	app/main.py:684
GET	/seller/dashboard	seller_dashboard_page	app/main.py:703
POST	/api/demo/igyb/checkin	demo_igyb_checkin	app/main.py:1252
POST	/api/demo/aeo/scan	demo_aeo_scan	app/main.py:1256
POST	/api/demo/dm/qualify	demo_dm_qualify	app/main.py:1260
POST	/api/demo/loop/execute	demo_loop_execute	app/main.py:1264
POST	/api/demo/video/storyboard	demo_video_storyboard	app/main.py:1268
POST	/api/demo/insurance/audit	demo_insurance_audit	app/main.py:1272
POST	/api/demo/astracraft/generate	demo_astracraft_generate	app/main.py:1276
POST	/api/demo/sparring/audit	demo_sparring_audit	app/main.py:1280
POST	/api/demo/asset-forge/generate	demo_asset_forge_generate	app/main.py:1324
POST	/api/demo/setter/triage	demo_setter_triage	app/main.py:1330
POST	/api/demo/duocast/generate-hook	demo_duocast_generate_hook	app/main.py:1337
POST	/api/demo/vsl/compose	demo_vsl_compose	app/main.py:1343
POST	/api/demo/valuestack/optimize	demo_valuestack_optimize	app/main.py:1349
GET	/api/demo/idea-forge/catalog	demo_idea_forge_catalog	app/main.py:1378
POST	/api/demo/idea-forge/missed-call	demo_idea_forge_missed_call	app/main.py:1382
POST	/api/demo/idea-forge/repurpose	demo_idea_forge_repurpose	app/main.py:1388
POST	/api/demo/idea-forge/biolink	demo_idea_forge_biolink	app/main.py:1394
POST	/api/demo/coldreach/audit	demo_coldreach_audit	app/main.py:1441
POST	/api/demo/invoice-chaser/escalate	demo_invoice_chaser_escalate	app/main.py:1447
POST	/api/demo/localrank/optimize	demo_localrank_optimize	app/main.py:1453
POST	/api/demo/linkshield/route	demo_linkshield_route	app/main.py:1459
POST	/api/demo/omnisyndicate/syndicate	demo_omnisyndicate_syndicate	app/main.py:1465

4. Database Entity Models (16 Models)

Model Name	File	Line	Docstring Summary

User	app/models.py	13	
Listing	app/models.py	34	
AuditReport	app/models.py	70	
Order	app/models.py	92	
DownloadToken	app/models.py	114	
StorageFeeRecord	app/models.py	131	
PayoutRequest	app/models.py	145	
VisitorLog	app/models.py	162	
GlobalVisitorStats	app/models.py	184	
BuyoutTender	app/models.py	193	
SoftwareOpportunity	app/models.py	214	High-demand software opportunity scouted across GitHub, Hugging Face, mobile APK
CustomApkRequest	app/models.py	246	Tracks bespoke, exclusive one-off Android APK build requests. Monitored by the a
R1ReasonPayload	app/routers/power_models_api.py	16	
LlamaSynthesizePayload	app/routers/power_models_api.py	22	
CommandRPlusPayload	app/routers/power_models_api.py	28	
PowerModelsService	app/services/power_models_service.py	26	Sovereign Enterprise Power Models Engine Suite. Provides local, air-gapped high-