

OmniLibrarian™ Architecture Dossier

Autonomous Codebase Taxonomy & Systems Radar • Scanned: 2026-09-21 06:00:41

1. System Scale & Vital Metrics

Total Files Scanned:	859	Lines of Code (LOC):	217,094
Indexed Symbols:	1482	FastAPI Endpoints:	323
Database Models:	16	Documentation Ratio:	64.2%

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	12
030 Domain Services	Autonomous Business Engines & AI Services	74
040 API Routers	FastAPI Controllers, Endpoints & Handlers	26
050 UI Templates	Interactive UI Layouts & HTML Views	149
060 Test Suites	Automated Unit Tests & Verification Gates	45
070 Appliances Packages	Standalone Server Appliances & ZIP Bundles	1
080 Ancillary Scripts	Utility Scripts & Maintenance Tooling	550

3. Master API Route Radar (323 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	/submit	submit_page	app/main.py:354
GET	/login	login_page	app/main.py:369
GET	/register	register_page	app/main.py:384

GET	/sitemap.xml	sitemap_xml	app/main.py:399
GET	/robots.txt	robots_txt	app/main.py:442
GET	/seller/dashboard	seller_dashboard_page	app/main.py:459
POST	/api/demo/igyb/checkin	demo_igyb_checkin	app/main.py:1024
POST	/api/demo/aeo/scan	demo_aeo_scan	app/main.py:1028
POST	/api/demo/dm/qualify	demo_dm_qualify	app/main.py:1032
POST	/api/demo/loop/execute	demo_loop_execute	app/main.py:1036
POST	/api/demo/video/storyboard	demo_video_storyboard	app/main.py:1040
POST	/api/demo/insurance/audit	demo_insurance_audit	app/main.py:1044
POST	/api/demo/astracraft/generate	demo_astracraft_generate	app/main.py:1048
POST	/api/demo/sparring/audit	demo_sparring_audit	app/main.py:1052
POST	/api/demo/asset-forge/generate	demo_asset_forge_generate	app/main.py:1096
POST	/api/demo/setter/triage	demo_setter_triage	app/main.py:1102
POST	/api/demo/duocast/generate-hook	demo_duocast_generate_hook	app/main.py:1109
POST	/api/demo/vsl/compose	demo_vsl_compose	app/main.py:1115
POST	/api/demo/valuestack/optimize	demo_valuestack_optimize	app/main.py:1121
GET	/api/demo/idea-forge/catalog	demo_idea_forge_catalog	app/main.py:1150
POST	/api/demo/idea-forge/misssed-call	demo_idea_forge_misssed_call	app/main.py:1154
POST	/api/demo/idea-forge/repurpose	demo_idea_forge_repurpose	app/main.py:1160
POST	/api/demo/idea-forge/biolink	demo_idea_forge_biolink	app/main.py:1166
POST	/api/demo/coldreach/audit	demo_coldreach_audit	app/main.py:1213
POST	/api/demo/invoice-chaser/escalate	demo_invoice_chaser_escalate	app/main.py:1219
POST	/api/demo/localrank/optimize	demo_localrank_optimize	app/main.py:1225
POST	/api/demo/linkshield/route	demo_linkshield_route	app/main.py:1231
POST	/api/demo/omnisyndicate/syndicate	demo_omnisyndicate_syndicate	app/main.py:1237
POST	/api/demo/briefpilot/dossier	demo_briefpilot_dossier	app/main.py:1243
GET	/agi	serve_sovereign_agi_terminal	app/main.py:1267
GET	/api/agi/status	api_agi_status	app/main.py:1271
POST	/api/agi/solve	api_agi_solve	app/main.py:1275
POST	/api/agi/chat	api_agi_chat	app/main.py:1279

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-