

AI Agents Intensive — Projects & Agents Directory

Repository: esk000/AIAgentsIntensive

Agent2Agent Suite

Product Catalog Agent

Provides product information and availability. A2A-enabled with auth.

[Source](#) [Server Agent Card \(Prod\)](#)

[Agent Card \(Dev\)](#)

Inventory Agent

Manages stock and availability. A2A-enabled with auth middleware.

[Source](#) [Agent Card \(Dev\)](#)

Shipping Agent

Handles shipping quotes and logistics. A2A-enabled with auth middleware.

[Source](#) [Agent Card \(Dev\)](#)

Payment Agent

Stripe payments with retries and error handling. A2A-enabled with auth.

[Source](#) [Agent Card \(Dev\)](#)

Customer Support Agent

Orchestrates sub-agents (catalog, inventory, shipping, payment) via A2A proxies.

[Source](#)

Remote A2A Proxy

Configures authenticated [RemoteA2aAgent](#) clients with resilient HTTP.

[Source](#)

A2A Auth Middleware

Enforces API Key / Bearer headers; agent card remains public.

[Source](#)

Agent2Agent Files (Per-File Descriptions)

ProductCatalogAgent.py

Serves product details via `get_product_info` (name, price, availability). Runs on port `8002`.

[File](#)

ProductCatalogAgentServer.py

ASGI/FastAPI server exposing the Product Catalog agent API and agent card. Applies A2A auth middleware.

[File](#)

InventoryAgent.py

ShippingAgent.py

Checks stock availability and quantities. Intended to run on port `8003` with A2A auth.

[File](#)

Computes shipping quotes and logistics options. Intended to run on port `8004` with A2A auth.

[File](#)

PaymentAgent.py

Handles Stripe payments with resilient retries (`STRIPE_MAX_NETWORK_RETRIES`). Reads `STRIPE_API_KEY`. Intended for port `8005`.

[File](#)

CustomerSupportAgent.py

Orchestrates sub-agents via authenticated A2A proxies. Reads `PRODUCT_CATALOG_AGENT_CARD_URL`, `A2A_API_KEY`, `A2A_BEARER_TOKEN`.

[File](#)

RemoteA2aAgent.py

Reusable authenticated HTTP client for A2A. Loads agent cards, adds auth headers, and performs resilient calls to remote skills.

[File](#)

a2a_auth.py

Middleware enforcing API Key/Bearer auth on agent endpoints, while allowing public access to `/.well-known/agent-card.json`.

[File](#)

FetchAgentCard.py

Utility to fetch and validate remote agent card JSON by URL. Useful for bootstrapping A2A clients.

[File](#)

Other Agents & Projects

Home Automation Agent

Sample ADK agent with evaluation artifacts.

[Folder](#)

Research Agent

Research-focused agent with replay and tests.

[Folder](#)

Sample Agent

Minimal example agent, helpful for quick starts.

[Folder](#)

Utilities & Workflows

Sequential Agents

Linear / Loop / Parallel

Demonstrates chained agent flows.

Script

Alternative orchestration patterns for agents.

Linear Loop Parallel

Multi-Agent

Multi-agent coordination entry point.

Script

Discovery

Agent Card (Prod): / .well-known / agent-card.json

Agent Card (Local Dev): Product Catalog, Inventory, Shipping, Payment

All 5-days AI Agents Intensive — Projects & Agents with Implementation