

# SOARIX AGENT BUILD PORTFOLIO

## TOOLS USED TO BUILD AGENTS

**Google ADK** – Executes tools, APIs, safe actions, planning, memory, and code generation.

**Microsoft AutoGen** – Multi-agent orchestration, role-based teamwork, creativity, collaboration.

**LLMs** – Used inside agents for reasoning only.

**TasteOS** – Soarix's creative intelligence layer (emotions, aesthetics, motion, psychology).

**Component Engine** – Converts design tokens to real frontend code.

**QA Layer** – Visual and accessibility checks.

**Cloud Storage** – For TasteOS image library and tagging system.

## 20 STEPS TO BUILD A SOARIX AGENT SYSTEM

- Define the agent's purpose and business value.
- Choose the tools the agent must use (APIs, files, databases).
- Define the inputs the agent accepts (prompt, files, URLs).
- Define the outputs the agent must create (code, UI, text, reports).
- Create the multi-agent roles using AutoGen (planner, coder, designer, QA).
- Write system instructions for each role with clear responsibilities.
- Connect Google ADK tools for safe execution and real actions.
- Build the TasteOS folder (images, animations, examples).
- Create the index.json to tag all TasteOS assets.
- Write aesthetic, emotion, motion, and anti-template rules.
- Connect TasteOS to the creative agents using search functions.
- Build the orchestrator agent to coordinate the full workflow.
- Create design-token schema for UI generation.
- Build the Code Builder agent to convert tokens → frontend code.

- Add the QA agent with accessibility + aesthetic checks.
- Enable retries and self-correction loops for stability.
- Add memory for storing decisions and design history.
- Create logging, observability, and error tracking.
- Deploy the agent as an API endpoint.
- Test with real prompts and iterate TasteOS until quality becomes premium.

# SOARIX AGENT CATALOG (SUMMARY)

## 1. Productivity Agents

Email Manager, Meeting Agent, Research Agent, Reports, Contracts, CRM automation.

## 2. Sales & Marketing Agents

Lead Generation, Outreach, SEO Agent, Ads Generator, Analytics Agent.

## 3. Social Media Agents

Script Writer, Storyboarder, Content Designer, Video Prompt Generator, Scheduler.

## 4. Development Agents

Code Writer, UI/UX Generator, Database Designer, API Builder, QA Tester.

## 5. Operations Agents

HR, Recruitment, Finance Assistant, Inventory, Project Manager, Compliance Crew.

## 6. Industry-Specific Agents

Healthcare, Legal, Banking, Education, Real Estate specialized multi-agents.

## 7. Document Factory Agents

Invoices, Proposals, Calendars, Reports, Brand Guides, Docs automation.

## 8. Business-in-a-Box Multi-Agent Systems

Social Media Automation, Customer Support, HR Ops, Website/App Builder, AI Builder Crew.