

AI Skills Inventory - Agent Definitions

A. DESIGN & VISUAL (UI/UX, CSS, Animations)

- ui-ux-pro-max** (Triggers: plan, build, create, design, implement, review, fix, improve, optimize, enhance, refactor, check UI/UX, g Design intelligence con 50+ stili, 97 palette, 57 font pairings. Database searchable con raccomandazioni basate su priorità. Supporta 9 stack (React, Next.js, Vue, Svelte, SwiftUI, etc.)
- frontend-design** (Triggers: frontend, UI design, aesthetic direction, memorable design, visual identity) Crea interfacce distintive e production-grade con estetica intenzionale. Evita pattern generici AI. Include DFII scoring (Design Feasibility & Impact Index)
- ui-ux-designer** (Triggers: UI design, UX design, user interface) Design generale UI/UX
- ui-visual-validator** (Triggers: visual validation, UI review, visual QA) Validazione visuale delle interfacce
- web-design-guidelines** (Triggers: web design standards, design guidelines) Linee guida per web design
- mobile-design** (Triggers: mobile UI, mobile design, app design) Design specifico per mobile
- tailwind-design-system** (Triggers: Tailwind, design system, component library, design tokens) Build design systems scalabili con Tailwind CSS, design tokens, component libraries
- tailwind-patterns** (Triggers: Tailwind patterns, utility classes) Pattern e best practices per Tailwind
- theme-factory** (Triggers: theme, theming, dark mode, color schemes) Creazione di temi e sistemi di theming
- scroll-experience** (Triggers: scroll animation, parallax, scroll storytelling, interactive story, cinematic website) Esperienze immersive scroll-driven: parallax storytelling, scroll animations, narrative interattive, cinematic experiences (tipo NY Times, Apple product pages)
- 3d-web-experience** (Triggers: 3D website, three.js, WebGL, react three fiber, 3D experience) Esperienze 3D per il web: Three.js, React Three Fiber, Spline, WebGL. Copre product configurators, 3D portfolios, immersive websites
- interactive-portfolio** (Triggers: portfolio, personal website, showcase work, developer portfolio, designer portfolio) Portfolio che convertono: developer/designer portfolios, showcase work, esperienze memorabili
- canvas-design** (Triggers: poster, art design, visual art, canvas) Creazione di visual art in PNG/PDF usando design philosophy. Per posters, art, design, static pieces
- algorithmic-art** (Triggers: generative art, algorithmic design) Arte generativa e algoritmica

B. PERFORMANCE & OPTIMIZATION

- web-performance-optimization** (Triggers: performance, slow loading, Core Web Vitals, optimize speed, bundle size) Ottimizzazione performance web: loading speed, Core Web Vitals (LCP, FID, CLS), bundle size, caching strategies

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application-performance (*Performance optimization, performance tuning*)

Performance optimization per applicazioni

performance-engineer (*Triggers: performance engineering, optimization strategies*)

Engineering per performance

performance-profiling (*Triggers: profiling, performance analysis*)

Profiling delle performance

cost-optimization (*Triggers: cost optimization, cloud costs*)

Ottimizzazione costi cloud/infra

bazel-build-optimization (*Triggers: Bazel, build optimization*)

Ottimizzazione build con Bazel

C. ACCESSIBILITY & TESTING

accessibility-compliance (*Accessibility audit, WCAG, a11y, compliance, assistive technology*)

Expert WCAG compliance, inclusive design, assistive technology compatibility. Audit, identify barriers, remediation

wcag-audit-patterns (*Triggers: WCAG patterns, accessibility patterns*)

Pattern per audit WCAG

screen-reader-testing (*Triggers: screen reader, accessibility testing*)

Testing con screen readers

test-automator (*Triggers: test automation, automated testing*)

Automazione test

testing-patterns (*Triggers: testing patterns, test strategies*)

Pattern di testing

e2e-testing-patterns (*Triggers: e2e testing, integration testing*)

End-to-end testing patterns

javascript-testing-patterns (*Triggers: JavaScript testing, Jest, Mocha*)

Testing patterns per JavaScript

python-testing-patterns (*Triggers: Python testing, pytest*)

Testing patterns per Python

tdd-workflow (*Triggers: TDD, test-driven development*)

Test-Driven Development workflow

test-driven-development (*Triggers: TDD, test-first development*)

Sviluppo guidato da test

test-fixing (*Triggers: fix tests, broken tests*)

Fixing di test rotti

unit-testing-test-generate (*Triggers: unit tests, test generation*)

Generazione unit test

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playwright-skill (Triggers: *Playwright, browser testing*)

Testing con Playwright

webapp-testing (Triggers: *web app testing, E2E testing*)

Testing web app

D. REFINEMENT & POLISH

clean-code (Triggers: *clean code, refactor, code quality*)

Code beautification, refactoring, clean code principles

code-review-excellence (Triggers: *code review, review best practices*)

Eccellenza nelle code review

code-review-checklist (Triggers: *code review checklist*)

Checklist per code review

code-reviewer (Triggers: *code review, review code*)

Code review generale

lint-and-validate (Triggers: *lint, validate, code standards*)

Linting e validazione

dx-optimizer (Triggers: *DX, developer experience*)

Developer Experience optimization

kaizen (Triggers: *kaizen, continuous improvement*)

Continuous improvement

verification-before-completion (Triggers: *verification, validation before deploy*)

Verifica prima del completamento

E. ARCHITECTURE & PATTERNS

architecture (Triggers: *architecture, software architecture*)

Architettura software generale

architecture-patterns (Triggers: *architecture patterns, design patterns*)

Pattern architettonici

software-architecture (Triggers: *software architecture*)

Architettura software

senior-architect (Triggers: *senior architect, system design*)

Senior architect expertise

architect-review (Triggers: *architecture review*)

Review architettonica

backend-architect (Triggers: *backend architecture*)

Architettura backend

cloud-architect (Triggers: *cloud architecture*)

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Architettura cloud

database-architect (Triggers: database architecture, schema design)

Architettura database

microservices-patterns (Triggers: microservices, service architecture)

Pattern microservizi

api-patterns (Triggers: API patterns, API design)

Pattern API

react-patterns (Triggers: React patterns, React best practices)

Pattern React

event-sourcing-architect (Triggers: event sourcing, CQRS)

Event sourcing architecture

cqrs-implementation (Triggers: CQRS, command query separation)

CQRS implementation

F. FRONTEND DEVELOPMENT

frontend-developer (Triggers: frontend development, frontend dev)

Sviluppo frontend generale

frontend-dev-guidelines (Triggers: frontend guidelines, best practices)

Linee guida frontend

nextjs-best-practices (Triggers: Next.js, nextjs best practices)

Best practices Next.js

nextjs-app-router-pattern (Triggers: Next.js app router, routing patterns)

Pattern App Router Next.js

react-best-practices (Triggers: React, react best practices)

Best practices React

react-state-management (Triggers: React state, Redux, Zustand)

State management React

react-ui-patterns (Triggers: React UI, component patterns)

UI patterns React

javascript-mastery (Triggers: JavaScript, JS mastery)

Mastery JavaScript

javascript-pro (Triggers: JavaScript, JS advanced)

JavaScript professionale

typescript-pro (Triggers: TypeScript, TS advanced)

TypeScript professionale

typescript-expert (Triggers: TypeScript expert, TS mastery)

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TypeScript expert

G. BACKEND & DATABASES

backend-development-feature (Triggers: feature development, API development)

Feature development backend

backend-dev-guidelines (Triggers: backend guidelines)

Linee guida backend

nodejs-backend-patterns (Triggers: Node.js, backend patterns)

Pattern Node.js backend

nodejs-best-practices (Triggers: Node.js best practices)

Best practices Node.js

fastapi-pro (Triggers: FastAPI, Python API)

FastAPI professionale

database-design (Triggers: database design, schema)

Design database

database-optimizer (Triggers: database optimization, query tuning)

Ottimizzazione database

postgresql (Triggers: PostgreSQL, Postgres)

PostgreSQL specifico

postgres-best-practices (Triggers: Postgres best practices)

Best practices PostgreSQL

prisma-expert (Triggers: Prisma, ORM)

Prisma ORM expert

H. DATA & ANALYTICS

data-engineer (Triggers: data engineering, data pipelines)

Data engineering

data-scientist (Triggers: data science, ML, analytics)

Data science

data-storytelling (Triggers: data storytelling, data visualization)

Storytelling con dati

analytics-tracking (Triggers: analytics, tracking, metrics)

Tracking analytics

kpi-dashboard-design (Triggers: KPI dashboard, metrics dashboard)

Design dashboard KPI

I. SECURITY & PENTESTING

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security-auditor (Triggers: security audit, security review)

Audit sicurezza

pentest-checklist (Triggers: pentest, security testing)

Checklist penetration testing

vulnerability-scanner (Triggers: vulnerability scan, security scan)

Scansione vulnerabilità

sql-injection-testing (Triggers: SQL injection, SQLi)

Testing SQL injection

xss-html-injection (Triggers: XSS, cross-site scripting)

Testing XSS

ethical-hacking-methodology (Triggers: ethical hacking, pentesting)

Metodologia ethical hacking

J. SEO & MARKETING

seo-audit (Triggers: SEO audit, SEO review, technical SEO, on-page SEO, meta tags audit)

SEO audit completo con scoring (0-100). Identifica issues crawlability, indexation, on-page, Core Web Vitals

seo-fundamentals (Triggers: SEO basics, SEO fundamentals)

Fondamenti SEO

seo-content-writer (Triggers: SEO content, content writing)

Content writing per SEO

seo-keyword-strategist (Triggers: keyword research, SEO keywords)

Strategia keyword

seo-meta-optimizer (Triggers: meta tags, meta optimization)

Ottimizzazione meta tag

schema-markup (Triggers: schema, structured data)

Schema.org markup

programmatic-seo (Triggers: programmatic SEO, scaled content)

SEO programmatico

content-marketer (Triggers: content marketing, content strategy)

Content marketing

copywriting (Triggers: copy, copywriting, messaging)

Copywriting

K. DEVOPS & INFRASTRUCTURE

docker-expert (Triggers: Docker, containers)

Docker expert

kubernetes-architect (Triggers: Kubernetes, K8s)

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Kubernetes architecture

terraform-specialist (Triggers: Terraform, IaC)

Terraform specialist

cicd-automation-workflow (Triggers: CI/CD, pipeline automation)

CI/CD automation

github-actions-templates (Triggers: GitHub Actions, workflows)

GitHub Actions templates

gitlab-ci-patterns (Triggers: GitLab CI, CI/CD)

GitLab CI patterns

deployment-engineer (Triggers: deployment, release)

Deployment engineering

L. AI & ML

ai-engineer (Triggers: AI engineering, AI development)

AI engineering

ml-engineer (Triggers: ML engineering, machine learning)

Machine learning engineering

mlops-engineer (Triggers: MLOps, ML operations)

MLOps

prompt-engineer (Triggers: prompt engineering, AI prompts)

Prompt engineering

rag-engineer (Triggers: RAG, vector search, embeddings)

RAG (Retrieval Augmented Generation)

langchain-architecture (Triggers: LangChain, LLM chains)

LangChain architecture

langgraph (Triggers: LangGraph, agent workflows)

LangGraph

M. DOCUMENTATION & COMMUNICATION

api-documenter (Triggers: API docs, API documentation)

Documentazione API

docs-architect (Triggers: documentation architecture)

Architettura documentazione

documentation-generation (Triggers: docx generate, auto-docs)

Generazione documentazione

code-documentation-doc-generator (Triggers: code docs, documentation)

Documentazione codice

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mermaid-expert (Triggers: Mermaid, diagrams)

Diagrammi Mermaid

tutorial-engineer (Triggers: tutorials, guides)

Creazione tutorial

N. CONVERSION OPTIMIZATION (CRO)

page-cro (Triggers: CRO, conversion optimization, landing page)

Page conversion optimization

form-cro (Triggers: form CRO, form optimization)

Form optimization

onboarding-cro (Triggers: onboarding CRO, user onboarding)

Onboarding optimization

popup-cro (Triggers: popup CRO, modal optimization)

Popup optimization

signup-flow-cro (Triggers: signup CRO, registration optimization)

Signup flow optimization

ab-test-setup (Triggers: A/B testing, split testing)

A/B testing setup

O. DEBUGGING & TROUBLESHOOTING

debugger (Triggers: debug, debugging)

Debugging generale

systematic-debugging (Triggers: systematic debug, troubleshooting)

Debugging sistematico

error-detective (Triggers: error analysis, bug investigation)

Detective errori

debugging-strategies (Triggers: debugging strategies)

Strategie di debugging

debugging-toolkit-smart-debug (Triggers: smart debug, debug tools)

Toolkit debugging smart

P. PACKAGE MANAGEMENT & BUILD

dependency-management (Triggers: dependency audit, deps audit)

Audit dipendenze

dependency-upgrade (Triggers: dependency upgrade, update deps)

Upgrade dipendenze

monorepo-architect (Triggers: monorepo, workspace)

Architettura monorepo

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monorepo-management (*Triggers: monorepo management*)

Gestione monorepo

nx-workspace-patterns (*Triggers: Nx, monorepo patterns*)

Pattern Nx workspace

Q. INTEGRATION & SERVICES

stripe-integration (*Triggers: Stripe, payments*)

Integrazione Stripe

paypal-integration (*Triggers: PayPal, payments*)

Integrazione PayPal

firebase (*Triggers: Firebase, BaaS*)

Firebase integration

clerk-auth (*Triggers: Clerk, auth*)

Clerk authentication

twilio-communications (*Triggers: Twilio, SMS, calls*)

Twilio communications

R. AGENT & AUTOMATION

autonomous-agents (*Triggers: autonomous agents, AI agents*)

Agenti autonomi

multi-agent-brainstorming (*Triggers: multi-agent, collaborative agents*)

Brainstorming multi-agent

agent-orchestration-improvement (*Triggers: agent orchestration, agent improvement*)

Orchestrazione agenti

workflow-automation (*Triggers: workflow automation*)

Automazione workflow

mcp-builder (*Triggers: MCP, context protocol*)

MCP (Model Context Protocol) builder

S. PLANNING & MANAGEMENT

plan-writing (*Triggers: plan writing, planning*)

Scrittura piani

planning-with-files (*Triggers: planning, file-based planning*)

Planning con file

concise-planning (*Triggers: concise planning*)

Planning conciso

executing-plans (*Triggers: execute plans, implementation*)

Esecuzione piani

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product-manager-toolkit (*Triggers: product management, PM toolkit*)

Toolkit product manager

business-analyst (*Triggers: business analysis, requirements*)

Business analysis

T. LANGUAGE-SPECIFIC SKILLS

python-pro (*Triggers: Python, Python advanced*)

Python professionale

golang-pro (*Triggers: Go, Golang*)

Go professionale

rust-pro (*Triggers: Rust, Rust advanced*)

Rust professionale

java-pro (*Triggers: Java, Java advanced*)

Java professionale

csharp-pro (*Triggers: C#, .NET*)

C# professionale

cpp-pro (*Triggers: C++, modern C++*)

C++ professionale

ruby-pro (*Triggers: Ruby, Ruby advanced*)

Ruby professionale

php-pro (*Triggers: PHP, PHP advanced*)

PHP professionale

elixir-pro (*Triggers: Elixir, functional programming*)

Elixir professionale

U. GAME DEVELOPMENT

game-development (*Triggers: game development, game dev*)

Sviluppo videogiochi

unity-developer (*Triggers: Unity, game engine*)

Unity developer

godot-gdscript-patterns (*Triggers: Godot, GDScript*)

Godot GDScript patterns

TOP 10 SKILLS PER SITE REFINEMENT

BONUS: HIDDEN GEMS PER REFINEMENT

SKILL CONFLICTS / OVERLAPS

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****COME USARE QUESTO INVENTARIO****

****REPOSITORY INFO****