

The Agentic AI Developer Career & Skills Guide

Salary guide · Career roadmap · AI governance roles · Hiring trends. A practical map of the GSDC Agentic AI Developer Certification — the roles it unlocks, what they pay, and a 90-day plan to get there.

What's inside

- The full 12-module syllabus + 34 Learn-by-Doing builds at a glance
- Which roles it unlocks: agentic ai developer jobs, langchain developer jobs & more
- 2026 salary ranges by role, level and region
- AI governance, safety & ethics roles on the rise
- 2026 hiring trends — what employers actually screen for
- A realistic 90-day study plan from beginner to certified

Published by the Global Skill Development Council (GSDC) — a vendor-neutral certification body trusted by 2,50,000+ professionals across 100+ countries.

Why agentic AI developers are in demand

Software has crossed a threshold. Instead of writing every step, developers now build **autonomous agents** that plan, call tools, remember context and act toward goals. That shift — from scripted automation to agentic systems — is creating one of the fastest-growing specialisms in tech.

Employers are no longer just asking “can you use an LLM?” They want engineers who can design multi-agent workflows, wire up tool calling, manage memory, and ship agents to production safely. That is exactly the gap the **Agentic AI Developer Certification** is built to close.

\$147K

median US pay for agentic AI engineers
(Glassdoor, 2026)

34

hands-on builds you complete & keep

100+

countries recognising the credential

This guide walks you through the whole picture — the skills, the roles, the pay and a step-by-step plan — so you can decide whether becoming a **certified agentic ai developer** is the right move for you.

What the Agentic AI Developer Certification is

The GSDC Agentic AI Developer Certification is a hands-on, vendor-neutral credential that validates your ability to build autonomous AI systems — not just talk about them. It is a developer-focused, code-first program distinct from awareness-level AI courses.

What you'll be able to do

- ✓ Design and program intelligent, tool-using agents
- ✓ Build multi-agent systems that collaborate and delegate
- ✓ Add memory, retrieval and persistence to agents
- ✓ Test, debug, secure and deploy agents in production
- ✓ Ship real capstones: a voice agent and a full-stack agentic chatbot

Who it's for

AI developers and software engineers, machine-learning engineers, data scientists, AI product managers, automation engineers and technology consultants. No mandatory prior experience — a foundational understanding of AI concepts is recommended.

50% OFF

[Become a Certified Agentic AI Developer — See the full certification program →](#)

The 12-module syllabus — modules 1–6

01 Foundations of Agentic AI for Developers

Autonomous agents, lifecycles, event-driven models, state & memory; framework overview (LangChain, AutoGen, CrewAI, Semantic Kernel).

02 Programming Intelligent Agents

Goals, plans, actions; tool usage and function calling; reasoning with LLMs (ReAct, CoT, ToT); memory with vector stores and state graphs.

03 Multi-Agent Systems & Inter-Agent Communication

Collaborative agent networks; protocols (queues, REST, gRPC, WebSockets); role assignment, delegation, consensus.

04 Customizing Agent Workflows with Modern Frameworks

LangChain chains; LangGraph stateful agents; AutoGen code-executing agents; orchestration with CrewAI.

05 Building with LLMs & Tool-Using Agents

LLM backends; tool/API calling; Retrieval-Augmented Generation (RAG); securing API access and role-based tool access.

06 Agent Memory, State & Persistence

Short- and long-term memory (Redis, Pinecone, Chroma); context windows; caching, logging, serialization; knowledge graphs.

The 12-module syllabus — modules 7–12

07 Testing, Debugging & Observability of Agents

Simulation and integration testing; logging decision paths; observability for multi-agent systems; debugging loops and hallucinations.

08 Deploying Agentic Systems in Production

APIs and frontends; Docker and Kubernetes; cloud and edge hosting; rate limiting, retries and circuit breakers.

09 Security, Safety & Ethics for Developers

Secure tool/API execution; red-teaming for jailbreaks and prompt injection; guardrails and fallbacks; human-in-the-loop.

10 Capstone: End-to-End Voice Agent

Conversational flows; speech-to-text and text-to-speech; voice interface to agent backends; streaming conversations.

11 Capstone: Full-Stack Agentic Chatbot

Chatbot UI; frontends to agent frameworks via API/WebSocket; sessions, memory and continuity; deployment and analytics.

12 Personalized 1-1 & Daily Group Live Session

One-on-one Trainer/SME connects plus daily live sessions with global SMEs.

LIMITED TIME**Master all 12 modules — Start the certification this week →**

34 hands-on builds, not just videos

Every concept in the syllabus maps to something you ship. The certification includes **34 Learn-by-Doing builds** across three tracks — a portfolio you keep and can demo in interviews.

Creating AI Agents · 9 builds

From your first agent to coordinated multi-agent teams — the core of how to build ai agents.

Prompt Engineering · 16 builds

Advanced prompting, safety, and agent-oriented prompt design that powers reliable behaviour.

Enterprise AI Copilots · 9 builds

Production-grade copilots: governance, privacy, monitoring and enterprise architecture.

Each build is a complete, practical exercise — an ai agent development tutorial you finish by shipping working code.

A look at the build library

- AGENTS** Building Agentic AI & Autonomous Systems with Hands-on Use Cases
- AGENTS** AI Agents: Components, Tools and Practical Implementation
- AGENTS** Designing Multi-Agent Systems for the 2026 Innovation Era
- AGENTS** Simulating Software Development Teams with Coordinated AI Agent Roles
- PROMPT** Prompt Engineering and AI Agents: Evolution, Importance & Security
- PROMPT** AI for Technologists: Perplexity, LangChain & Knowledge Graphs
- PROMPT** Building Data-Aware AI Agents with Prompt Engineering
- ENTERPRISE** AI Copilot for Developers: Enterprise Coding
- ENTERPRISE** Autonomous Systems for Proactive Monitoring & Incident Resolution
- ENTERPRISE** CRM Data Quality: AI Agent Architecture for Enterprise Scale

... plus 24 more, for 34 builds in total.

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Build a portfolio recruiters trust — Claim 50% off the certification →

Which roles this unlocks

The same skill set opens a cluster of high-demand titles. Anchor terms recruiters use:

Agentic AI / AI Agent Developer

Builds tool-calling, multi-agent systems — agentic ai developer jobs & ai agent developer jobs.

LLM Developer

Owns LLM-powered features, RAG and prompting — llm developer jobs.

LangChain Developer

Specialises in LangChain/LangGraph pipelines — langchain developer jobs.

AI Engineer

Ships AI to production broadly — the largest pool of ai engineer jobs.

Python AI Developer

Builds Python AI services & APIs — python ai developer jobs.

AI Application Developer

Productises AI features into apps — ai application developer jobs.

The rise of AI governance roles

As agents take real actions, organisations need people who can keep them safe, compliant and accountable. The certification's security, safety and ethics module maps directly to a fast-growing set of roles:

- ✓ **AI Safety / Guardrails Engineer** — red-teaming, prompt-injection defence, fallback strategies
- ✓ **AI Governance Specialist** — policy, traceability and human-in-the-loop oversight
- ✓ **Responsible AI Engineer** — bias, privacy (PII detection) and audit logging
- ✓ **AI Compliance / Risk Analyst** — aligning agent systems to standards and regulation

These roles increasingly sit alongside core development jobs — and developers who understand both build and governance are especially valuable.

48 HOURS ONLY

Get the governance-ready skill set — Your 50% offer expires soon →

2026 salary guide — the bands

US pay for agentic AI / AI agent roles, by experience level. Figures are estimates from Glassdoor (United States, 2026); actual pay varies by employer, stack and location.

Level	Experience	Typical US range
Entry	0–2 yrs	\$108K – \$140K
Mid	2–5 yrs	\$130K – \$165K
Senior	5–8 yrs	\$170K – \$200K
Lead / Principal	8+ yrs	\$200K – \$239K+

Median for agentic AI / AI agent engineers sits around \$147K, with top earners near \$239K (Glassdoor, US, 2026).

Pay by role and location

Role	Typical US range (2026)
Agentic AI Developer	~\$147K (median)
AI Agent Developer	\$115K – \$191K
LLM Developer	\$130K – \$180K
LangChain Developer	\$120K – \$170K
AI Application Developer	\$122K – \$185K
Python AI Developer	\$120K – \$180K

Region adjustments

High-cost metros (San Francisco, New York) typically pay a premium of roughly 15–25% over national figures; remote roles tend to track close to the national range.

Source: Glassdoor (United States, 2026). Ranges are indicative, not guarantees.

From generalist to specialist pay

The biggest jumps come from moving out of a generalist role into a focused agentic specialism. Certified developers who can demonstrate production-grade, multi-agent work cluster in the upper bands — often a six-figure step up from entry-level generalist pay.

A recognised credential alone is not a raise. Paired with a portfolio of 34 real builds, it becomes leverage: proof you can do the work, which is what moves an offer from the 25th toward the 75th percentile.

50% OFF**Invest in your earning potential — [Certify your skills at 50% off](#) →**

2026 hiring trends

- ✓ **Agentic over generative.** Postings increasingly ask for autonomous, tool-using agents — not just chat completions.
- ✓ **Production matters.** Deployment, observability and reliability now appear alongside model skills.
- ✓ **Portfolios beat buzzwords.** Demonstrable builds and ai agent code examples carry more weight than keyword-stuffed CVs.
- ✓ **Governance is mainstream.** Safety, guardrails and compliance are moving from “nice to have” to required.
- ✓ **Framework fluency.** LangChain, LangGraph, AutoGen, CrewAI and Semantic Kernel show up by name in job specs.

The skills on every checklist

Frameworks

LangChain, LangGraph, AutoGen, CrewAI, Semantic Kernel

Core patterns

Function calling, the ReAct pattern, tool-calling agents

Memory & data

Vector stores, RAG, context management

Production

Testing, debugging, deployment, observability

Safety

Guardrails, red-teaming, human-in-the-loop

Languages

Python first; APIs and services

The certification is built around exactly this checklist — so what you learn lines up with what you're hired for.

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Learn what employers screen for — [Build job-ready skills now](#) →

Your 90-day plan — phases 1 & 2

DAYS 1–30 · Foundations

- Python refresher and agent fundamentals (Modules 1–2)
- Your first tool-calling agent and the ReAct pattern
- Function calling and basic reasoning loops

DAYS 31–60 · Frameworks & builds

- LangChain, LangGraph, AutoGen and CrewAI workflows
- Memory with vector stores; RAG pipelines
- Ship 4–6 Learn-by-Doing builds for your portfolio

Plan assumes part-time study; with lifetime access you can move faster or slower.

Phase 3 & the certification exam

DAYS 61–90 · Ship & certify

- Testing, debugging, deployment (Modules 7–8)
- Build the voice-agent and chatbot capstones
- Take the practice exams, then sit the certification

Exam details

Questions	40 (multiple choice)
Duration	90 minutes
Passing score	65%
Language	English
Open book	No
Validity	5 years
Retake	1 complimentary retake included

Everything in one programme

- ✓ **Self-paced course** — 36+ hours of expert-led video, lifetime access
- ✓ **GSDC Studio** — daily live sessions, 100+ every month
- ✓ **1-on-1 SME Connect** — three personal sessions
- ✓ **Weekly group mentor connect** — lifelong learning community
- ✓ **2 practice exams** — mirroring the real test
- ✓ **Capstone + job support** — resume, LinkedIn and interview prep
- ✓ **AI-powered toolkit** — framework templates and cheat sheets

Delivered as one programme. No separate fees. Lifetime access. 7-day money-back guarantee.

LIMITED TIME

Get the complete programme — [Don't miss the current intake](#) →

A credential employers recognise

2,50,000+

professionals certified

4.4★

Trustpilot rating

4.8★

Reviews.io rating

GSDC is a vendor-neutral certification body. Its certifications are globally recognised across 100+ countries and aligned with ISO/IEC 17024 personnel-certification standards.

Learn from practitioners

The program's advisory network includes senior practitioners from companies such as Amazon, Oracle, Capgemini and LTIMindtree — people who build and ship agentic systems for a living.

Common questions

Do I need prior experience?

No mandatory experience. A foundational understanding of AI concepts is recommended; many learners start from scratch.

Is it hands-on or theory?

Hands-on. It is a code-first program with 34 Learn-by-Doing builds and daily live support.

Which frameworks will I learn?

LangChain, LangGraph, AutoGen, CrewAI and Semantic Kernel, plus RAG, memory and deployment.

Is the certificate recognised?

Yes — globally recognised across 100+ countries and aligned with ISO/IEC 17024.

How long does it take?

Around 90 days part-time using the plan in this guide, with lifetime access to go at your own pace.

YOUR NEXT STEP

Ready to become a certified agentic AI developer?

You now have the full picture — the skills, the roles, the 2026 pay and a 90-day plan. The next step is simple: start the program, build your portfolio, and earn a credential recognised worldwide.

- ✓ 12 modules · 34 hands-on builds
- ✓ Daily live sessions + 1-on-1 mentor support
- ✓ Capstones, job support and a 7-day money-back guarantee

48 HOURS LEFT**Enrol and get certified — Claim your 50% offer now →**

Offer is time-limited. Visit the program page to see the current intake.