

GLOBALLY RECOGNIZED · VENDOR-NEUTRAL · ANSI-ALIGNED

Certified AI Solution Architect

— (CAISA)

Become a Globally Recognized AI Solution Architect

Earn the CAISA credential — design enterprise AI solutions end to end: model and foundation-model selection, data architecture, RAG, agentic systems, cloud infrastructure, integration, security, and MLOps.

Today's offer: \$800 → \$400.



4.8/5 Reviews.io (96%) · **4.4/5** Trustpilot · **2,50,000+** certified

Enroll at gsdcouncil.org/ai-solution-architect-certification

Why This Certification, Why Now

Most enterprise AI stalls between the demo and production — not because the model was wrong, but because nobody designed the architecture around it. That decision layer is where AI solution architects earn their seat.



Pilots don't survive contact with production

Scalability, latency, cost, reliability, and integration decide whether a proof of concept ever ships.



Model choice is now an architecture decision

Open-source vs commercial, fine-tuning vs RAG, and customization approach shape cost and capability for years.



RAG and agents changed the reference design

Embeddings, vector stores, retrieval strategies, tool calling, and multi-agent orchestration are now standard components.



Security, governance, and MLOps are built in, not bolted on

IAM, data protection, responsible AI, LLMOps, observability, and cost control belong in the design from day one.

FROM THEORY TO PRACTICE

What You'll Be Able to Do



Master AI architecture fundamentals, Generative AI, foundation models, and solution components



Translate business requirements and AI use cases into clear technical and solution requirements



Design scalable architectures using cloud, hybrid, microservices, serverless, and event-driven patterns



Select suitable models, LLMs, and customization approaches — fine-tuning vs RAG — for the business need



Build RAG and knowledge architectures with embeddings, vector databases, and retrieval evaluation



Design agent architectures with tools, memory, planning, orchestration, and multi-agent workflows — and apply security, MLOps, and optimization practices

Why GSDC

★★★★★

4.4 / 5

Trustpilot · Excellent

★★★★★

4.8 / 5

Reviews.io · 96% recommend

2,50,000+

professionals certified

500+

Fortune clients

190+

countries served

Since 2016

US · SG · Switzerland



Independent, vendor-neutral certification body established in 2016 — offices in the US, Singapore, and Switzerland.



Accredited by ABICB (Accreditation Board for International Certification Bodies) and a proud member of ANSI.



Alumni work at 500+ Fortune companies across 190+ countries; 100+ Authorized Training Partners worldwide.



Certification built and reviewed with AI architects, solution experts, and industry leaders designing scalable, secure, enterprise-ready AI systems.

RECOMMENDED BY

Forbes · Indeed · TechTarget · CareerSidekick · LeanIX · People Managing People · Authentic

**ABICB Accredited****ANSI Member****Vendor-Neutral**

Read verified reviews: trustpilot.com/review/gsdccouncil.org · reviews.io

Our Global Clients

Professionals across technology, cloud, finance, and enterprise engineering hold GSDC certifications.

Oracle

Amazon

Microsoft

Cisco

Veritas

HP

Bank of America

Deloitte

Volkswagen

IS THIS FOR YOU?

Who Is This Certification For?

- AI architects, solution architects, and enterprise architects
- Cloud solution architects and software architects
- AI engineers, machine learning engineers, and AI/ML developers
- Data scientists moving into solution and platform design
- Technology and IT managers, digital transformation leaders
- Technical project and program managers delivering AI initiatives

PRE-REQUISITES

There are no mandatory prerequisites. The program suits both newcomers and working professionals building expertise in AI architecture and enterprise AI solutions. Basic knowledge of technology, cloud computing, software development, or AI concepts helps, but no advanced programming experience is required — a basic understanding of computer systems and an interest in designing scalable AI solutions is enough to get started.

Learn from Experts

Learn from experienced practitioners and industry leaders who design, update, and teach the program — bringing real-world AI architecture, cloud, and enterprise solution expertise to every module.



Maxim Salnikov

MICROSOFT

Digital and App Innovation Business Lead,
Western Europe



Trevor Wiseman

THE CIRCUIT

VP of Technology & AI Governance



Swathi Adimulam

ORACLE

OCI Cloud & AI Architect



Hayk Hakobyan

INSIGHTGENIE

Co-Founder



Baris Dirim

CULTUREASY

Human Systems Architect

What You'll Learn

16+ hours across 12 modules covering the full AI solution lifecycle — from requirements to enterprise architecture — with reference architectures, patterns, and Learn-By-Doing activities in every module.

1

AI Foundations for Solution Architects

ML, deep learning, LLMs, SLMs, multimodal, compute & the architect role

2

Use Case Selection, Feasibility & Data Readiness

Business-to-AI framing, qualification, data readiness, build/buy/partner, PoC

3

Foundation Model Strategy & Selection

Proprietary vs open-weight, benchmarks, multi-model routing, context engineering

4

AI Solution Architecture Design

Reference architectures, patterns, NFRs, ADRs & blueprinting

5

Data & Knowledge Architecture

Data platforms, pipelines, embeddings, vector stores, knowledge graphs, governance

6

Retrieval-Augmented Generation Architecture

End-to-end RAG, graph-based retrieval, production RAG remediation

7

Model Adaptation, Fine-Tuning & Optimization

Adaptation ladder, fine-tuning, distillation, quantization, inference tuning

8

Agentic & Multi-Agent AI Architecture

Agent patterns, tools, memory, HITL, multi-agent topologies, MCP & A2A

9

Deployment, Integration, Scaling & FinOps

Topologies, AWS/Azure/GCP, serving, IaC, resilience, token economics, ROI

10

LLMOps, Evaluation & Observability

LLMOps/AgentOps, eval architecture, metrics, tracing, drift, CI/CD

11

AI Security, Risk & Governance

OWASP LLM Top 10, prompt injection, guardrails, ISO 42001, NIST, EU AI Act

12

Architecture Practice, Strategy & Capstone

Executive influence, operating model, capability roadmap, horizon scanning

Module-by-Module

Module 1 — AI Foundations for Solution Architects

- The AI landscape: classical ML, deep learning, and foundation models
- How Large Language Models actually work
- Small Language Models, multimodal, and specialized models
- Compute, hardware, and inference fundamentals
- The AI Solution Architect role and operating model

Module 2 — Use Case Selection, Feasibility & Data Readiness

- Translating business problems into AI problems
- Use case qualification and prioritization
- Data readiness assessment
- Build, buy, or partner decisions
- Feasibility studies and proof-of-concept design

Module 3 — Foundation Model Strategy & Selection

- Proprietary vs open-weight models
- Model evaluation and benchmark literacy
- Multi-model architecture and routing
- Model lifecycle and version management
- Context engineering fundamentals

Module 4 — AI Solution Architecture Design

- Reference architectures for enterprise AI
- Common enterprise AI solution patterns
- Non-functional requirements for AI systems
- Architecture Decision Records and trade-off analysis
- Solution blueprinting and architecture documentation

Module 5 — Data and Knowledge Architecture

- Data platform foundations for AI
- Data pipelines, quality, and lineage
- Embeddings and vector data stores
- Knowledge graphs and structured knowledge
- Data governance, privacy, and access control

Module 6 — Retrieval-Augmented Generation Architecture

- RAG architecture end to end
- Advanced and graph-based retrieval techniques
- Production RAG: freshness, access control, and failure remediation

Module-by-Module

Module 7 — Model Adaptation, Fine-Tuning & Optimization

- The adaptation ladder and when to stop climbing
- Fine-tuning approaches and dataset design
- Distillation, quantization, and model compression
- Inference optimization

Module 8 — Agentic and Multi-Agent AI Architecture

- Core agent design patterns; tool design and function calling
- Agent memory architecture; human-in-the-loop and approval gates
- Agentic failure modes and containment
- Multi-agent topologies; interoperability protocols: MCP and A2A
- Agent orchestration frameworks and trust boundaries

Module 9 — Deployment, Integration, Scaling & FinOps

- Deployment topologies and data sovereignty
- Cloud AI platform architecture across AWS, Azure, and GCP
- Serving infrastructure, scaling, and capacity planning
- Enterprise integration; containerization and Infrastructure as Code
- Resilience & business continuity; cost models, token economics, ROI

Module 10 — LLMOps, Evaluation & Observability

- LLMOps and AgentOps foundations
- Evaluation architecture and metrics for AI systems
- Observability and distributed tracing
- Monitoring, drift, and quality regression
- CI/CD and progressive delivery for AI

Module 11 — AI Security, Risk & Governance

- AI threat landscape and OWASP LLM Top 10; prompt injection & data exfiltration
- Agent and tool security; IAM for AI systems
- Guardrails and content safety architecture
- AI governance operating model; ISO/IEC 42001 and NIST AI RMF
- EU AI Act and global regulation; responsible AI by design; auditability & third-party risk

Module 12 — Architecture Practice, Strategy & Capstone

- Stakeholder communication and executive influence
- AI operating model and team design
- AI strategy and capability roadmap
- Emerging architecture trends and horizon scanning

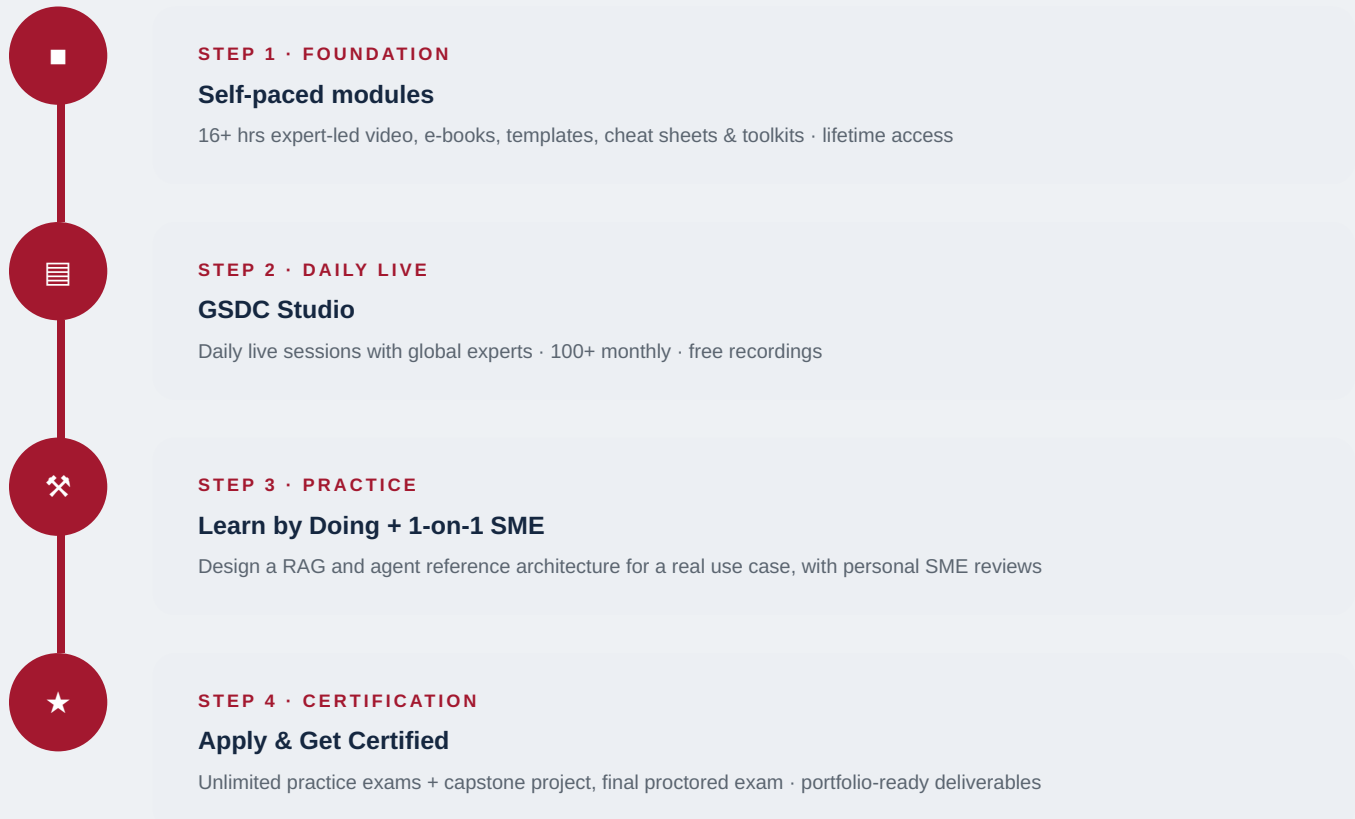


Capstone Project · End-to-End Enterprise AI Solution

— Design a complete enterprise AI solution architecture: use case, model strategy, data & RAG, agentic design, deployment, security, and governance — SME-reviewed, portfolio-ready. Plus 1-on-1 and daily expert sessions.

A Guided Path to Certification

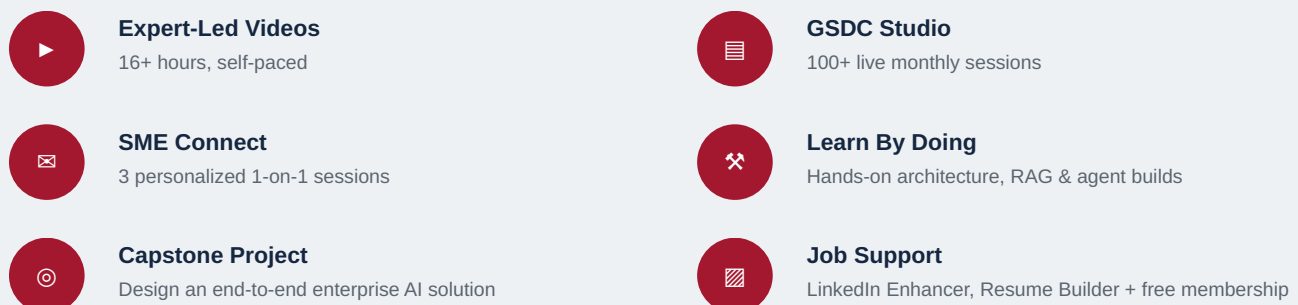
Self-paced study, daily live sessions, personal mentoring, and hands-on practice — finish at your own pace.



Move at your own pace. Study self-paced with lifetime access to all materials, live sessions, and recordings.

ALL IN ONE ENROLLMENT

Everything Included



Exam & What to Expect

This is a certification, not a course. Study self-paced with the materials provided (plus live support), then sit a proctored online exam. Lifetime access to materials, plus unlimited practice exam access.

40 EXAM QUESTIONS	MCQ EXAM FORMAT	65% PASSING SCORE	90 min DURATION
English LANGUAGE	No OPEN BOOK	5 Years VALIDITY	Yes FREE RETAKE

IS THIS FOR YOU?

Where CAISA Takes You

YOUR ROLE	HOW CAISA HELPS YOU	CAREER OUTCOME
Solution / Software Architect	Add AI patterns, model selection, and RAG to your design toolkit.	→ AI Solution Architect
Cloud Architect	Design compute, GPU, container, and serverless infrastructure for AI.	→ Cloud AI Architect
Enterprise Architect	Set reference architectures, trade-offs, and enterprise AI standards.	→ Enterprise AI Architect
AI / ML Engineer	Move from building models to designing the systems around them.	→ GenAI Solution Architect
Data Scientist	Design data, retrieval, and evaluation architecture for production AI.	→ AI Platform Architect
IT Manager / Transformation Lead	Assess feasibility, cost, and scale before committing to a build.	→ Head of AI Architecture



7-Day Money-Back Guarantee

Enroll with zero risk — full 100% refund within 7 days if you feel you haven't gained the skills you're looking for. Includes a complimentary exam retake and lifetime access to your materials.

 Chat on WhatsApp

 Book a 10-min advisor call

Choose Your Plan

Single Access

~~\$800~~ **\$400**

1

CERTIFICATION

- ✓ Self-paced expert-led videos + GSDC Studio
- ✓ 3 SME Connect (1-on-1) sessions
- ✓ Book of Knowledge + Capstone + Job Support
- ✓ Exam + 1 free retake & practice · membership (\$109 free)

Bundle Access

MOST POPULAR

~~\$1200~~ **\$600**

3

CERTIFICATIONS

- ✓ Everything in Single, across 3 certifications — just \$200 each
- ✓ Unlimited SME Connect (1-on-1)
- ✓ Exam + 2 free retakes & practice
- ✓ Most-chosen by serious learners

Region-specific pricing shown at enrollment · Teams? Ask about GSDC for Business.

Enroll Now → gsdcouncil.org/ai-solution-architect-certification

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