

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



Design AI data architectures covering ingestion, processing, storage, governance, security, and lifecycle



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



Design agent architectures with tools, memory, planning, orchestration, and multi-agent workflows



Integrate with APIs, CRM, ERP, and databases — 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

Foundations of AI Solution Architecture

Principles, foundation models, LLMs, components, patterns, lifecycle

2

Business Requirements & AI Use Cases

Use case prioritization, value, feasibility, success criteria, roadmaps

3

AI Solution Architecture Design

Reference architectures, microservices, event-driven, serverless, hybrid

4

AI Models & Foundation Models

Model and LLM selection, open-source vs commercial, fine-tuning vs RAG

5

AI Data Architecture

Sources, ingestion, pipelines, quality, governance, storage, lifecycle

6

RAG & Knowledge Architecture

Chunking, embeddings, vector DBs, retrieval strategies, hybrid search

7

AI Agents & Agentic Architecture

Planning, memory, tools, function calling, multi-agent orchestration

8

Application & Enterprise Integration

API architecture, CRM, ERP, database, and event-driven integration

9

Cloud & Infrastructure for AI

Compute, GPU, storage, networking, containers, Kubernetes, serverless

10

Security, Governance & Responsible AI

IAM, data protection, model security, risk, privacy, compliance, oversight

11

Deployment, MLOps & Operations

MLOps and LLMOps, CI/CD, versioning, monitoring, observability

12

Optimization & Enterprise Architecture

Performance, cost, scalability, reliability, trade-offs, documentation

Module-by-Module

Module 1 — Foundations of AI Solution Architecture

- Introduction to AI Architecture
- AI Solution Architecture Principles
- AI and ML Fundamentals
- Generative AI Fundamentals
- Foundation Models
- Large Language Models
- AI Solution Components
- AI Architecture Patterns
- AI Architecture Lifecycle
- AI Architecture Challenges

Module 3 — AI Solution Architecture Design

- AI Architecture Components
- Architecture Design Principles
- AI Reference Architectures
- AI Design Patterns
- Monolithic vs Modular AI
- Microservices for AI
- Event-Driven AI Architecture
- Serverless AI Architecture
- Hybrid AI Architecture
- Multi-Cloud AI Architecture

Module 5 — AI Data Architecture

- AI Data Architecture
- Data Sources
- Data Ingestion
- Data Processing
- Data Pipelines
- Data Quality
- Data Governance
- Data Storage
- Data Security
- Data Lifecycle

Module 7 — AI Agents & Agentic Architecture

- AI Agent Fundamentals
- Agentic AI Architecture
- Agent Workflows
- Agent Planning
- Agent Memory
- Tool Integration
- Function Calling
- Multi-Agent Systems
- Agent Orchestration
- Human-Agent Collaboration

Module 2 — Business Requirements & AI Use Cases

- Business Requirement Analysis
- AI Use Case Identification
- Use Case Prioritization
- Business Value Assessment
- Technical Feasibility
- AI Solution Requirements
- Functional Requirements
- Non-Functional Requirements
- Success Criteria
- AI Solution Roadmaps

Module 4 — AI Models & Foundation Models

- AI Model Selection
- Foundation Model Selection
- LLM Selection
- Open-Source Models
- Commercial AI Models
- Model Capabilities
- Model Performance
- Model Customization
- Fine-Tuning vs RAG
- Model Evaluation

Module 6 — RAG & Knowledge Architecture

- RAG Fundamentals
- RAG Architecture
- Document Processing
- Chunking Strategies
- Embeddings
- Vector Databases
- Knowledge Bases
- Retrieval Strategies
- Hybrid Search
- RAG Evaluation

Module 8 — AI Application & Enterprise Integration

- AI Application Architecture
- API Architecture
- REST APIs
- AI API Integration
- Enterprise Application Integration
- CRM Integration
- ERP Integration
- Database Integration
- Event-Driven Integration
- AI Workflow Integration

Module-by-Module

Module 9 — Cloud & Infrastructure for AI

- Cloud AI Architecture
- AI Compute
- GPU Infrastructure
- AI Storage
- AI Networking
- Containers for AI
- Kubernetes for AI
- Serverless AI
- AI Deployment Environments
- Infrastructure Scaling

Module 11 — AI Deployment, MLOps & Operations

- AI Deployment Strategies
- MLOps Fundamentals
- LLMOps Fundamentals
- CI/CD for AI
- Model Versioning
- Model Monitoring
- AI Observability
- Performance Monitoring
- AI Incident Management
- Continuous Improvement

Module 10 — AI Security, Governance & Responsible AI

- AI Security Architecture
- Identity and Access Management
- Data Protection
- Model Security
- AI Governance
- AI Risk Management
- Responsible AI
- AI Privacy
- AI Compliance
- Human Oversight

Module 12 — AI Solution Optimization & Enterprise Architecture

- AI Performance Optimization
- AI Cost Optimization
- AI Scalability
- AI Reliability
- AI Availability
- AI Architecture Trade-Offs
- AI Solution Testing
- AI Solution Evaluation
- Architecture Documentation
- Enterprise AI Architecture

A Guided Path to Certification

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



STEP 1 · FOUNDATION

Self-paced modules

16+ hrs expert-led video, e-books, templates, cheat sheets & toolkits · lifetime access



STEP 2 · DAILY LIVE

GSDC Studio

Daily live sessions with global experts · 100+ monthly · free recordings



STEP 3 · PRACTICE

Learn by Doing + 1-on-1 SME

Design a RAG and agent reference architecture for a real use case, with personal SME reviews



STEP 4 · CERTIFICATION

Apply & Get Certified

Unlimited practice exams + capstone project, final proctored exam · portfolio-ready deliverables

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

ALL IN ONE ENROLLMENT

Everything Included



Expert-Led Videos

16+ hours, self-paced



GSDC Studio

100+ live monthly sessions



SME Connect

3 personalized 1-on-1 sessions



Learn By Doing

Hands-on architecture, RAG & agent builds



Capstone Project

Design an end-to-end enterprise AI solution



Job Support

LinkedIn Enhancer, Resume Builder + free membership

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.

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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
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