



MASTERCLASS · ADVANCED · DEEP EXPERTISE, SMALL ROOMS, PRINCIPAL INSTRUCTORS

Agentic AI Engineering

Design, build and operate production agent systems: tool use, orchestration, memory, evaluation, safety and cost control.

🕒 6 weeks

💎 Live online, 2 sessions/week + labs

★ 4.9 · 430+ trained

PROGRAMME OVERVIEW

About this programme

The flagship masterclass for engineers. Over six weeks you will build a production-grade multi-agent system end to end — tool-using agents, orchestration graphs, memory architectures, evaluation harnesses and deployment patterns — with code review from principal engineers who run agentic systems in production.

OBJECTIVES

What this programme sets out to do

- ✓ Build a working command of agent fundamentals
- ✓ Go deep on orchestration at scale
- ✓ Develop practical skill in memory & grounding
- ✓ Master evaluation & safety
- ✓ Gain fluency in production operations
- ✓ Apply, hands-on, capstone

AT A GLANCE

Key facts

CATEGORY Masterclasses	LEVEL Advanced
DURATION 6 weeks · ≈ 36 contact hours	FORMAT Live online, 2 sessions/week + labs
COHORT SIZE Public & private cohorts	RATING 4.9 / 5 (430+ trained)
LANGUAGES 12+ (English, Hindi, Kannada ...)	CERTIFICATE Verifiable digital credential

WHO IT'S DESIGNED & DELIVERED FOR

Cohorts

Software engineers, ML engineers, platform teams. Python required.

Software engineers

ML engineers

platform teams

Pre-requisites

- Working proficiency in Python.
- A laptop for the hands-on segments.
- One or two real use-cases from your work to apply the learning to.

Tentative duration & effort

6 weeks

- ≈ 36 total contact hours
- Live online, 2 sessions/week + labs
- Pacing adapts to your cohort; private cohorts can be re-scoped

WHAT YOU TAKE AWAY

Tangible outputs

- A verifiable, shareable digital certificate
- A role-specific prompt / playbook library
- Qube AI copilot access during the programme
- Session recordings and all working materials
- Entry to the Qubicon alumni community & office hours

MODULE - BY - MODULE

What we cover

MODULE	KEY TOPICS COVERED	HRS*
01 Agent fundamentals	Agent loops and planning · Tool schemas that models respect · Error recovery patterns · Lab: first tool-using agent	6
02 Orchestration at scale	Orchestrator-worker patterns · Parallel fan-out and pipelines · State machines vs free planning · Lab: multi-agent workflow	6
03 Memory & grounding	RAG done properly · Chunking and embedding strategy · Episodic memory design · Lab: knowledge-grounded agent	6
04 Evaluation & safety	Behavioural test suites · LLM-as-judge with calibration · Prompt-injection defence · Lab: evaluation harness	6
05 Production operations	Tracing and observability · Cost architecture and routing · Latency engineering · Lab: instrumented deployment	6
06 Capstone	Ship a reviewed agent system · Principal-engineer code review · Architecture defence session · Certification	6

*Indicative contact hours per module; tuned to your cohort's pace and any private-cohort customisation.

TOOLS & TECHNOLOGIES

What you'll work with

Claude API

Python

LangGraph

pgvector

Docker

Grafana



PROGRAMME OUTCOMES

What you'll be able to do

- ✓ Architect single- and multi-agent systems with clear failure boundaries
- ✓ Implement tool use, structured output and function-calling reliably
- ✓ Design memory: short-term, episodic, and knowledge-grounded (RAG)
- ✓ Build evaluation harnesses and regression suites for agent behaviour
- ✓ Deploy with observability, guardrails, cost budgets and kill-switches

Delivery & certification

- Live, expert-led sessions with hands-on labs and mentoring
- The Qube AI copilot supports every learner between sessions
- Delivered in 12+ languages with domain-accurate translation
- Verifiable digital certificate — verify any code at qubiconai.com/verify

Investment

\$200/hr · ₹7,999/hr

- **Individuals:** enrol & pay online (cards / UPI)
- **Enterprises:** quote → PO → GST invoice → net-30, zero upfront
- Private cohorts, on-site delivery & volume rates on request



For corporates & institutions

- Private cohorts engineered around your stack, data and use-cases
- Curriculum built by principal instructors with the Qube engine
- Capability analytics: engagement, skill-lift and applied-project ROI
- Procurement-friendly: quote → PO → GST invoice → net-30, zero upfront
- MSA, data-security review and on-prem / VPC delivery supported

For individual learners

- Enrol and pay online — cards, UPI or Razorpay
- Live, expert-led sessions (never pre-recorded)
- A verifiable certificate you can share with employers
- The Qube AI copilot supporting you between sessions
- Recordings, materials and an active alumni community

WHY QUBICON.AI

50K+

PROFESSIONALS TRAINED

650+

ENTERPRISE CLIENTS

50+

COUNTRIES SERVED

98%

SATISFACTION SCORE

- Live and expert-led — taught by practitioners who ship AI
- Qube, an adaptive AI copilot, for every single learner

- Verifiable, shareable certification employers trust
- Delivered in 12+ languages, localised to your teams
- Curriculum engineered around your industry and stack



Ready to begin?

Enrol, request a private cohort, or book a free 30-minute consult — our team replies within one business day.

WEBSITE

www.qubiconai.com

Programmes, catalogue & enrolment

EMAIL

contact@qubiconai.com

Corporate & institutional enquiries

OFFICES

Bengaluru · San Francisco

India & USA · delivery in 50+ countries

BOOK A CONSULT

qubiconai.com/book

Free 30-minute capability call

Enrol or request this programme for your team

Reference QBN-AGENTIC-AI-ENGINEERING · Agentic AI Engineering

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