DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

Claude Advanced Training

Design, deploy and govern production agents on Claude with the Agent SDK or Managed Agents, cost controls and safety guardrails.

LIVE ONLINE Max 8-10 hours	**CORPORATE (DAY-WISE)** 5 days · Days 1-5	**SELF-PACED VIDEO** 1-year LMS access
BATCH SIZE Max 10 learners	**NEXT BATCHES** 1st of every month · weekends: first Saturday	**CERTIFICATE** Verifiable certificate of completion

Foundation	Essential	Intermediate	Advanced
1 day · Included	2 days · Included	3 days · Included	5 days · This curriculum

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	42 topics · Foundation to Advanced
Hands-on labs	4 labs
Formats and fees	Live, 1:1, self-paced, corporate
Trainer and reviews	Rajesh Kumar
Enrolment	Batches, payment, contacts

WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

Course page: www.devopsschool.com/courses/claude/claude-advance-training.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

What you will achieve

By the end of the Claude course path, you will be able to:

1

Use Claude effectively

Write clear prompts and use Projects, files and Artifacts to get reliable, checked results.

2

Build on the Claude API

Create applications with structured outputs, tools, MCP, caching and batches using the official SDKs.

3

Ship governed agents

Design, evaluate and run Claude agents in production with cost, safety and audit controls.

WHAT THE ADVANCED LEVEL ADDS

Agents, enterprise deployment and governance

Hands-on: Production DevOps agent capstone. Build and evaluate an agent that triages failed CI builds, proposes fixes as pull requests and runs with approvals, logging and cost limits.

WHO SHOULD ATTEND

- Experienced Claude practitioners responsible for quality, security and scale.
- Senior engineers, architects and leads who design and troubleshoot Claude solutions.
- Teams making Claude an organisation-wide standard.

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Build tool-using applications, connect systems through MCP, work effectively in Claude Code and measure quality with evaluations.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION TO ADVANCED

Claude Advanced Training agenda

42 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

DAY 1 — Foundation: Claude apps, prompting and everyday use

Included from Foundation

1. What Claude is: Anthropic's model family with Opus, Sonnet and Haiku tiers and choosing by capability, speed and cost
2. Claude apps: web, desktop and mobile, conversations, file uploads and data controls
3. Prompting fundamentals: clear instructions, context, examples, XML tags for structure and output format
4. Projects: project knowledge, custom instructions and sharing with a team
5. Artifacts: generating documents, code and interactive pages
6. Working with files: PDFs, spreadsheets, images and long documents
7. Research and web search in Claude apps: getting cited, current answers
8. Responsible use: checking facts, verifying sources, privacy and sensitive data
9. Everyday use cases: writing, summarizing, analysis and coding help
10. Prompt iteration: diagnosing weak answers and refining instructions step by step

DAY 2 — Essential: Claude API, structured outputs and caching

Included from Essential

11. API setup: Claude Console, API keys, workspaces and official SDKs (Python, TypeScript, Java, Go and more)
12. Messages API: roles, system prompts, max_tokens, stop reasons and streaming
13. Models and context: model selection, context windows, token counting and the Models API
14. Thinking and effort: adaptive thinking and effort levels, and when deeper reasoning pays off
15. Structured outputs: JSON schema output and strict tool schemas
16. Prompt engineering for the API: system prompt design, few-shot examples and prompt chaining
17. Vision and documents: image inputs, PDF input and citations
18. Files API: uploading once and reusing files across requests
19. Prompt caching: cache breakpoints, prefix stability and measuring cache hits
20. Message Batches: asynchronous bulk processing at lower cost
21. Error handling: rate limits, retries, timeouts and refusals

DAY 3 — Intermediate: Tool use, MCP, Claude Code and evaluations

Included from Intermediate

22. Tool use: defining tools with JSON schema, the tool_use and tool_result loop and parallel tool calls
23. SDK Tool Runner: automating the tool loop with typed tool functions
24. Server tools: web search, web fetch and code execution
25. Model Context Protocol: MCP servers and clients and the MCP connector in the API
26. Claude Code basics: installing, CLAUDE.md project memory, permissions and slash commands
27. Claude Code workflows: plan mode, subagents, hooks and Git pull request workflows
28. Agent Skills: packaging instructions and scripts as reusable skills
29. Retrieval patterns: chunking, embeddings from a separate provider and contextual retrieval
30. Evaluations: building eval sets, grading with rubrics and model graders, regression testing prompts

31. Security basics: prompt injection risks, tool permissions and secrets handling

DAYS 4-5 **Advanced: Agents, enterprise deployment and governance** — New at this level

32. Agent architectures: workflows versus agents, orchestrator-worker and evaluator-optimizer patterns
33. Claude Agent SDK: custom agents with built-in tools, hooks and subagents
34. Managed Agents: Anthropic-hosted agent sessions, environments and tool sandboxes
35. Long-running context: compaction, context editing and the memory tool
36. Cost and latency: model routing, effort tuning, caching and batching
37. Enterprise platforms: Claude through Amazon Bedrock, Google Vertex AI and Microsoft Foundry
38. Governance: admin controls, SSO, usage monitoring and data retention options
39. Production safety: guardrails, refusal handling, human approval steps and audit logs
40. Claude Code for teams: shared settings, MCP servers and headless runs in CI such as GitHub Actions
41. Observability: logging prompts and responses, token usage dashboards and eval-gated releases
42. Capstone: an agent that automates a real DevOps workflow end to end

PRACTICE

Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION

Build a cited research brief

Set up a Project with reference documents and instructions, then produce a cited research brief and a one-page Artifact from it.

ESSENTIAL

Build a document extraction service

Write a small service that sends PDFs to the Claude API, returns schema-valid JSON with citations and uses prompt caching and batches.

INTERMEDIATE

Build a tool-using DevOps assistant

Create an assistant that answers runbook questions through an MCP server and a custom tool, with an eval set that scores its answers.

ADVANCED

Production DevOps agent capstone

Build and evaluate an agent that triages failed CI builds, proposes fixes as pull requests and runs with approvals, logging and cost limits.

HOW YOU CAN LEARN

Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

FORMAT	DURATION	WHAT YOU GET	FEE
Live & interactive (online)	Max 8-10 hours	Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month.	**INR 34,999**
1:1 live training (online)	Max 8-10 hours, one-to-one	The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace.	**INR 99,999**
Self-paced video	1-year LMS access	All four Claude levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	5 days for this level	A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative).	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

20 years in industry	**200+** corporate trainings
10,000+ engineers mentored	**70+** organisations coached

REVIEWS

What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR CLAUDE TRAINING

Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/claude/

ENROL OR RESERVE A SEAT
Claude Advanced Training

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