DevOpsSchool

Course curriculum · November 2026

LEVEL 04 OF 04 · ADVANCED

SRE Advanced Training

Scale SRE across an organisation with multi-region designs, platform guardrails, governance and measurable reliability programmes.

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	47 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/sre/sre-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 SRE course path, you will be able to:

1

Define reliability targets

Set SLIs, SLOs and error budgets that reflect what users actually experience.

2

Run calm incident response

Handle on-call, incidents and blameless postmortems that lead to lasting fixes.

3

Scale reliability practice

Build resilient systems and grow SRE practices across teams and regions.

WHAT THE ADVANCED LEVEL ADDS

SRE at organisational and global scale

Hands-on: Design an SRE programme. Produce an SRE charter, SLO hierarchy, on-call model, error budget policy and DR plan for a multi-service product and present the reliability roadmap.

WHO SHOULD ATTEND

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

BEFORE YOU START

- The Intermediate level, or equivalent hands-on experience.
- You can already: Engineer systems that handle overload, failure and disasters through capacity planning, resilience patterns and chaos testing.
- 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

SRE Advanced Training agenda

47 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: SRE principles, SLOs and error budgets

Included from Foundation

1. What SRE is: origins at Google and SRE vs DevOps vs traditional operations
2. Reliability as a feature: availability, latency, durability and user happiness
3. Service level indicators: choosing SLIs for request-driven, pipeline and storage services
4. Service level objectives: targets, measurement windows and user-centred objectives
5. SLAs vs SLOs: contractual commitments versus internal reliability targets
6. Error budgets: deriving a budget from an SLO and balancing release velocity with reliability
7. Toil: what counts as toil, measuring it and keeping it bounded
8. Monitoring basics: the four golden signals and the USE and RED methods
9. Incident basics: severity levels, on-call roles and escalation paths
10. SRE team models: embedded, centralised, platform and consulting SRE
11. First SLO: define SLIs, an SLO and an error budget for a demo web service

DAY 2 — Essential: Alerting, on-call, incidents and toil reduction

Included from Essential

12. SLO implementation: SLI specification vs implementation and data sources such as logs, metrics and probes
13. Error budget policy: actions when the budget is spent and stakeholder agreement
14. Alerting on SLOs: burn rate alerts, multi-window multi-burn-rate rules and avoiding alert fatigue
15. On-call practices: rotations, handovers, runbooks and sustainable on-call load
16. Incident management: incident commander, communications and operations leads and status updates
17. Blameless postmortems: writing, reviewing and tracking action items to completion
18. Eliminating toil: finding toil, choosing automation candidates and measuring the result
19. Release engineering: hermetic builds, versioned artifacts, canary releases and rollback
20. Change management: progressive rollouts, feature flags and change freezes tied to error budgets
21. Observability foundations: metrics, logs, traces and service dashboards
22. Simplicity: reducing accidental complexity and unnecessary dependencies
23. Production readiness reviews: a launch checklist for new services

DAY 3 — Intermediate: Capacity, resilience, DR and chaos

Included from Intermediate

24. Capacity planning: demand forecasting, load testing and headroom
25. Handling overload: graceful degradation, load shedding and rate limiting
26. Cascading failures: retries with backoff and jitter, timeouts and circuit breakers
27. Distributed systems reliability: replication, consensus and failure domains
28. Data integrity: backups, restore testing and defence against data loss
29. Disaster recovery: RTO and RPO, failover drills and DR test plans
30. Chaos engineering: steady-state hypotheses, blast radius control and game days

31. Automation and infrastructure as code: Terraform, Ansible and self-healing workflows
32. Kubernetes reliability: probes, PodDisruptionBudgets, resource requests and autoscaling
33. Dependency management: third-party SLOs, dependency mapping and fallbacks
34. Security in SRE: secrets handling, least privilege and security incident response
35. Reliability reporting: SLO dashboards and monthly reliability reviews

DAYS 4-5 **Advanced: SRE at organisational and global scale** **New at this level**

36. SRE at scale: SLO hierarchies across user journeys, services and platforms
37. Multi-region architectures: active-active vs active-passive and global traffic management
38. Platform engineering and SRE: golden paths, internal developer platforms and paved roads
39. AI-assisted operations: anomaly detection, alert correlation and LLM-assisted incident summaries
40. Cost and reliability: FinOps trade-offs, right-sizing and reliability investment decisions
41. Organisational adoption: building an SRE team, engagement models and SRE charters
42. Large-scale incident response: coordinating major incidents across teams and regions
43. Reliability culture: psychological safety, learning reviews and sharing incident learnings
44. Compliance and governance: auditable changes and reliability in regulated environments
45. Measuring SRE programmes: DORA metrics, toil trends and SLO attainment
46. Reliability roadmap: risk assessment and prioritising reliability work
47. Capstone: design an SRE programme for a multi-service product with SLOs, on-call and a DR plan

PRACTICE

Hands-on labs

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

FOUNDATION **Write SLOs for a web service**
Pick user journeys for a demo web service, define availability and latency SLIs, set SLOs and calculate the monthly error budget.

ESSENTIAL **Incident drill and postmortem**
Respond to a simulated outage using incident roles and SLO burn rate alerts, then write a blameless postmortem with prioritised action items.

INTERMEDIATE **Chaos game day with failover**
Run a planned game day that injects pod, node and dependency failures, observe SLO impact and verify graceful degradation and failover.

ADVANCED **Design an SRE programme**
Produce an SRE charter, SLO hierarchy, on-call model, error budget policy and DR plan for a multi-service product and present the reliability roadmap.

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 SRE 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 SRE 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/sre/

ENROL OR RESERVE A SEAT
SRE Advanced Training

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