

Resilience Orbit™

Complete Toolkit

Run resilience like a product in small, measurable loops.

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Cadence (21 days)

Anticipate (Days 1–5): pick one service and one failure mode; define SLO; write a 5-line micro-runbook.

Fortify (Days 6–12): ship one self-healing safety (flag rollback/degrade, circuit-breaker, retry+jitter); add dashboard tile + alert.

Validate (Days 13–18): run a 30-min chaos drill in prod-like; prove detection → action → recovery.

Evolve (Days 19–21): publish a one-page executive scorecard; choose two next actions; reset the backlog.

Day-1 Plan (90 minutes)

- 1) Pick scope: one critical journey + one SLO target.
- 2) Write the 5-line micro-runbook: Symptom → First action → Owner → Escalation → Rollback/flag path.
- 3) Ship one self-healing safety: flag rollback/degrade or circuit-breaker; tighten retry+jitter; add health probe tile.
- 4) Schedule a 30-min game day for tomorrow.
- 5) Create a one-page scorecard stub (owners + next actions).

PR Checks & DoD adds

PR checks:

- [] Runbook link added
- [] SLO impact reviewed (dashboard link)
- [] Alert maps to a human
- [] Rollback/flag path verified

Definition of Done — Resilience adds:

- [] Runbook updated (5 lines)
- [] Alert owner set
- [] SLO tile visible (dashboard link)
- [] Rollback/flag path verified

Self-healing & Testing

Self-healing mechanics: feature flag kill-switch/degrade; circuit-breaker defaults; timeouts + retry with jitter; automated rollback; health probes wired to observability.

Chaos & load prompts: network latency; pod/instance kill; data throttle/failover; controlled degrade behind a flag.

Exit criteria: alert fired to an owner; recovery < 5 min; runbook path followed; SLO intact.

Scoring & Roles

Service scoring model: Availability %, p95 latency, MTTR, change failure rate, automation shipped (self-healing), drill pass/fail.

Roles: Product (journeys/outcomes), Platform (guardrails/observability), Ops/SRE (drills/MTTR/alerts), Engineering (one safety per sprint; runbooks & dashboards current).

Templates: Runbook fields — Symptom, First action, Owner, Escalation, Rollback/flag path.
Scorecard fields — Date, Service, SLO Target/Result, Availability %, p95, Incidents, MTTR, Automation Shipped, Chaos Outcome, Notes, Next actions.