

/code-review

Source: `~/ .claude/skills/code-review/SKILL.md`

name: code-review version: "2.0" level: 3 trigger: "code review, review this code, check my code, pre-commit review, security review of code" author: john updated: 2026-03-16

Code Review — Level 3 Supervised Skill

Sistematski code review sa if/then control flow. Security-first, actionable feedback.

WHEN TO USE

- IF "review", "code review", "check code", "pre-commit" → activate this skill
- IF security-specific request → prioritize Security section, run sentry-security-review first

WORKFLOW

Step 1: Scope Check

IF large PR (>500 lines):

- Split: delegate security to securion sub-agent, delegate logic to code-reviewer sub-agent
- Merge reports before final output

ELSE:

- Single-pass review, continue to Step 2

Step 2: RAG Context

```
node ~/system/tools/rag-router.js query "code review patterns [tech stack]" --top 3
```

Check HiveMind for prior decisions on this codebase.

Step 3: Security Scan (ALWAYS FIRST)

IF bash/shell code detected → check for injection patterns

IF database queries → check for SQL injection

IF user input handling → check XSS, validation

IF credentials/keys visible → STOP, report immediately (Level 5 block)

Step 4: Quality Checklist

[] Correctness: edge cases, error handling, null safety

[] Security: OWASP Top 10, no hardcoded secrets, input validation

[] Performance: N+1 queries, unnecessary loops, memory leaks

[] Maintainability: DRY, naming, dead code

[] Tests: coverage for happy path + 2 edge cases minimum

[] GOTCHA: does this introduce regressions?

Step 5: Report Format

IF critical security issue → status: BLOCKED, stop review, escalate

IF blocking bugs (>3) → status: NEEDS_WORK

IF minor issues only → status: APPROVED_WITH_COMMENTS

IF clean → status: APPROVED

OUTPUT FORMAT (report to John, not user)

```
CODE REVIEW REPORT

Status: APPROVED | APPROVED_WITH_COMMENTS | NEEDS_WORK | BLOCKED
Files reviewed: [list]
Lines reviewed: [count]

❗❗CRITICAL (must fix before merge):
  - [issue]: [file:line] – [fix suggestion]

❗❗SHOULD FIX:
  - [issue]: [file:line] – [suggestion]

❗❗OPTIONAL:
  - [suggestion]

Security: PASS | WARN | FAIL
Tests: [coverage%] | [missing]
Verdict: [one sentence summary]
```

ESCALATION

- Security FAIL → delegate to securion agent immediately
- Architectural concern → delegate to sentinel-architect agent
- Performance concern → query HiveMind for prior benchmarks first