

Code Audit Decoded

The Ultimate Guide for Getting Your Software Reviewed

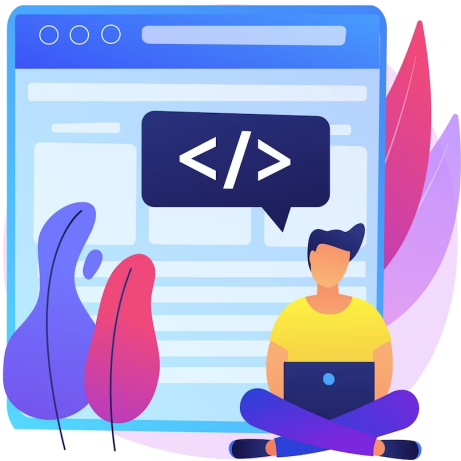


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Introduction

A good seller of electronics doesn't just sell their products. They understand them deeply. So whether you bought from that seller or elsewhere, they've got your back on fixes. The same goes for software development shops. Beyond development, they (well, some of them) offer code audits for software you already have.



Code audit, also referred to as “code review,” is a comprehensive technical examination of software systems, web, and mobile applications, reviewing their architecture, style, security, and efficiency. To avoid confusion with an activity where developers examine one another’s code, we will be mostly using the term “audit” instead of “review.” However, both are included in the title to enhance the searchability of this guide.

This PDF is a comprehensive guide for all interested in getting their code audited. Step by step, you will learn:

audit deliverables, i.e. a breakdown of the audit report

a detailed post-audit plan, i.e. what you do once you get your report

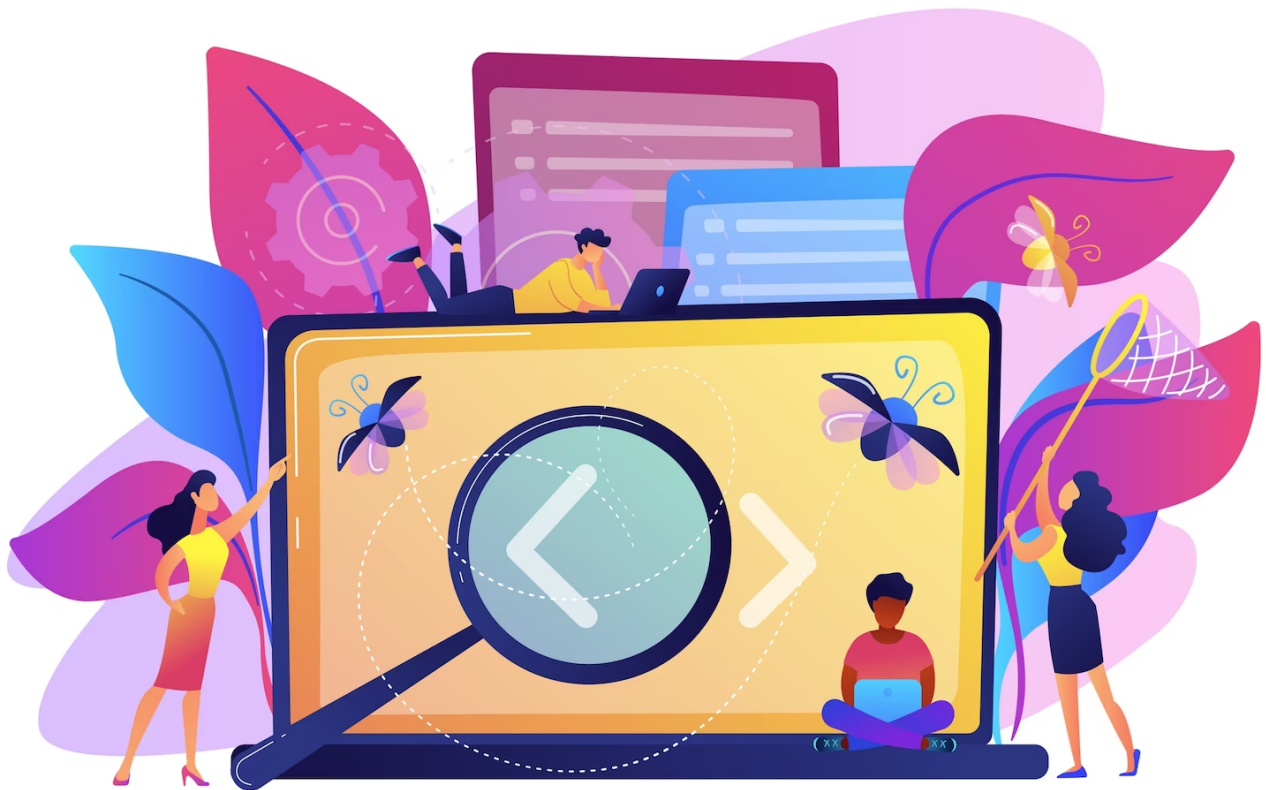
answers to popular questions about code audit

all possible reasons to need a software code audit

Our goal here is to tell you all we know about professional code audit service in a concise, accessible, and beautiful way. To prepare this guide, we:

- ✔ went through the most recent audit reports we have drawn for our clients
- ✔ involved our technology experts to make the information as accurate as possible.
- ✔ analyzed all requests for a code audit service we ever received

Let's get started!



All Possible Reasons to Need a Code Audit

A checklist as simple as an “Issue – Business’s concern – Example” scheme. Does something resonate with you? Perhaps you need a code audit yourself.

Issue	Business’s concern	Example
Concerns Over Code Quality	<i>“Is our application up to industry standards, and are there hidden bugs or defects?”</i>	A company discovers unexpected app crashes and suspects they might be due to underlying code quality issues.
Potential Security Vulnerabilities	<i>“How protected is our user data, and are there any security loopholes in our app?”</i>	A business that collects customer payment data through its platform is concerned about data breaches after hearing about similar incidents in the news
Compliance Shortfalls	<i>“Are we meeting all the compliance requirements set by our partners or regulatory bodies?”</i>	A health tech startup storing patient data must adhere to health and privacy regulations and seeks an audit to confirm compliance.
Doubts About Third-party Developer Work	<i>“Did the external agency we hired deliver the project as per agreed standards?”</i>	An e-commerce company, after launching its new site, notices user interface inconsistencies and suspects the third-party developers might have deviated from the brief.
Uncertainty in Acquisition Evaluations	<i>“Before acquiring a startup, is their software product up to the mark and worth investing in?”</i>	A large tech firm is evaluating a potential acquisition but is unsure about the software robustness of the smaller company’s primary product.