

5 Symptoms Of Technical Debt



And check out the solutions on the next page



During my career as a software development consultant, I have enjoyed focusing on legacy code, technical debt and refactoring. These are the 5 big symptoms of technical debt that I have encountered most often. If you're interested in discussing them further, check out my contact details on the next page.

Regular Bugs

Regular bugs are a clear indication that there is a problem with the code: **bugs after every release**, even in features that used to work perfectly. Often these bugs are noticed by end-users, which is obviously a



Slow Development Pace



When velocity drops or it just seems like **simple features take too long** to develop, developers might be experiencing great difficulty to navigate and modify existing code.

Low Team Morale

Often, team members will vocally complain about technical debt or low quality code. In very bad cases, this leads to **high turnover rates** as talented developers give up and leave for greener pastures.



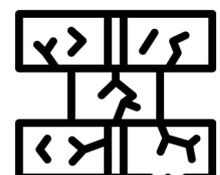
Anxiety When Releasing



A typical symptom of technical debt is when every release is a period of stress and **everyone is afraid** of what will happen this time. Will the application go down? Will we forget to run certain scripts or deploy required components?

Integration With Old Components

If you integrate with older, deprecated components or 3d party services, your application has a higher chance of containing **low quality code** and **insecure code**.



Solutions For Technical Debt

Automated Tests

Unit tests, integration tests, end-to-end tests,... Automated tests are the **first step** to improving the quality, reliability and maintainability of your code.



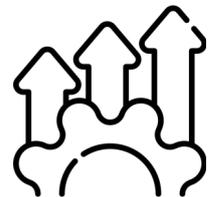
Monitoring & Alerting



Things will inevitably go wrong in production. When they do, you want to be the **first to know**. Ideally, you want to be able to fix it before your users even notice. Monitoring will give you a quick overview of the health of your application. Alerting will automatically inform you when things are

Upgrade & Replace

Replacing deprecated 3d party services and upgrading your code will improve the **performance, security and usability** of your product.



Need Help?

Recognize the symptoms? Looking for a strategy to improve the situation? Or do you just want to have a chat about your code? Call me!



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