

Your WatchDog Report

Dear WatchDog User,

It's a pleasure for me to present to you our findings about your personal testing behavior.

If you have any questions, please drop me a line. We would love to be in contact with you!

Many greetings from Delft
Moritz, Georgios and Andy from TestRoots.org

Your User Data (General)

This is the [WatchDog](#) Report based on your data submitted from 1/10/2014 to 1/2/2015, under the user id 3853b14f7f75889b51f3cf3052eb6d7ba0f40dd1.

In total, you transferred 32,145 intervals to our servers. Thanks for that!

Your relevant peer group: Based on your data, we classify you as a Professional Developer (9-to-5er). Other classifications are casual contributor, weekend developer, open-source developer.

Description	Your value	Average (Ø)	Ø in Peers
Total time in which WatchDog was active	407h	45h	351h
This makes an average of (assuming a 5-day work week)	4h/day	1h/day	5h/day
Number of registered projects	1	1	1.5

Report on Your Project "WatchDog"

This is the [WatchDog](#) Report based on your data submitted for your project "WatchDog" under the project id fe7982626e0c754b330a4be223f3cf3d45d3c.



Summary of Your Project "WatchDog"

You worked 17% of your time on testing, and 83% on production code (you originally estimated 30% testing, 70% production).

You executed your tests on average 21 times per day, and the average execution time for one such test execution was 5.4 seconds. 22% of your tests failed.

You do not follow test-driven development.

In the following, you can find more detailed statistics on your project.

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Total time in which WatchDog was active	407h	45h	351h
This makes an average of (assuming a 5-day work week)	4h/day	1h/day	5h/day

General Development Behavior

Active Eclipse Usage	75%	40%	51%
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This number tells how long you actively worked in Eclipse while it was open. It can be indicative of how much you can focus on programming during your work, but many factors influence it: If you need to do a lot of work outside of your IDE, leave your IDE open while doing on other stuff, or leave your IDE running while attending a meeting, for example, this number is small.

Time spent Writing	10%*	5%	7%
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This means how much of your active time you were modifying text documents (Java, XML, ...) in Eclipse. A high number means you write a lot of text in your IDE.

Time spent Reading	55%*	40%	42%
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This means how much of your active time you were reading text documents (Java, XML, ...) in Eclipse. A high number means you read a lot of text in your IDE.

Remaining Time	35%*	55%	51%
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This can be accessing non-purely text-based files, performing refactorings, configuring Eclipse, or similar work not done in Eclipse's text editor.

* Of your Active Eclipse Usage.

Java Development Behavior

Time spent writing Java code	12%*	6%	7%
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This refers to modifying Java classes. A high number means you write a lot of code in your IDE. This can be a sign that you are a productive coder, that you know exactly what you have to code, or that your coding task is easy. A low number can mean that your coding task is hard, or that you typically review code in the IDE.

Time spent reading Java code	59%*	42%	45%
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This refers to reading Java code. A high number means you read a lot of code in your IDE. This can be a sign that the modifications you have to make are hard and interact a lot with previous code, or that you are new to the project, or that you are a reviewer.

Time spent in Debug mode	1%*	5%	2%
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A high number can mean that you need to debug a lot of code.

* Of your Active Eclipse Usage.

Testing

Estimated Time Working on Tests	30%	25%	34%
Estimated Time Working on Production	70%	75%	66%

This is your answer to the questions asked during the installation of WatchDog.

Actual time working on testing	17%	10%	14%
Actual time spent on production code	83%	90%	86%

Number of test executions	21/day	8/day	15/day
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How often you execute your tests per day on average. A high number can mean that you are concerned about the quality of your tests.

Number of test failures	12%	15%	20%
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How often your tests fail. A high number can be an indication that you actively develop your tests, or that you have problems in your tests.

Average Test Duration	5.4s	3.2s	15.2s
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Do you follow TDD?	No	No (95%)	No (92%)
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This is your answer to the question asked when installing WatchDog.

"Do you follow TDD?" Measurement	No (15%)	No (10%)	No (12%)
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This means that in how many times of your development behavior, we found patterns that suggest a test-driven development behavior. Such a pattern is a three-way sequence of executing a test, modifying production code, and re-executing the same test.