

Performance in AngularJS

This survey is part of a MSc dissertation about the performance of AngularJS applications. It can be answered in less than 10 minutes and its goals are strictly academic.

*** Required**

1. How many years of experience do you have in JavaScript? *

Mark only one oval.

- ☐ Less than 1 year
- ☐ 1 to 2 years
- ☐ 2 to 5 years
- ☐ More than 5 years

2. How many years of experience do you have in AngularJS 1.x? *

Mark only one oval.

- ☐ Less than 1 year
- ☐ 1 to 2 years
- ☐ 2 to 3 years
- ☐ More than 3 years

3. What is the size of the largest application you have developed in AngularJS? *

Mark only one oval.

- ☐ less than 1 KLOC
- ☐ 1 KLOC to 5 KLOC
- ☐ 5 KLOC to 10 KLOC
- ☐ More than 10 KLOC

4. What percentage of the development time do you usually spend improving the performance of AngularJS applications? *

Mark only one oval.

- ☐ 0%
- ☐ 1% - 5%
- ☐ 5% - 10%
- ☐ 10% - 20%
- ☐ More than 20%

5. **How difficult is it to reason about the causes of performance problems in AngularJS applications? ***

Mark only one oval.

	1	2	3	4	5	
Very easy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Very hard

6. **Which AngularJS releases do you think include major performance improvements? ***

Mark only one oval.

- ☐ Angular 1.1
☐ Angular 1.2
☐ Angular 1.3
☐ Angular 1.4
☐ I am not sure

7. **Have you ever inspected AngularJS source code to improve performance? ***

Mark only one oval.

- ☐ Yes
☐ No

8. **Have you ever changed AngularJS source code to improve performance? ***

Mark only one oval.

- ☐ Yes
☐ No

9. **Have you ever used a third-party component to improve the performance of an AngularJS application? ***

Mark only one oval.

- ☐ Yes
☐ No

10. **If yes, which component?**

.....

11. **Have you ever created a custom component to improve the performance of an AngularJS application? ***

Example: a custom implementation of ngRepeat

Mark only one oval.

- ☐ Yes
☐ No

12. If yes, please describe this component.

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13. Have you ever refactored an AngularJS application to improve its performance on mobile devices? *

Mark only one oval.

☐ Yes

☐ No

14. Have you ever refactored a AngularJS application by replacing two-way data binding with one-time data binding to improve its performance? *

(including when you used a plug-in supporting one-time data binding)

Mark only one oval.

☐ Yes

☐ No

15. Which tool do you use to reason about the performance of AngularJS applications? *

Check all that apply.

☐ I have never used any tool

☐ Chrome developer tools

☐ Batarang

☐ Other:

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16. If you mentioned a tool, which is the main purpose of using it?

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17. Based on your experience, what is the maximum number of active bindings an AngularJS application can handle without presenting performance problems? *

Mark only one oval.

☐ 1500

☐ 2000

☐ 2500

☐ 3000

☐ 3500

☐ 4000

☐ I have no idea

29. **Runtime configurations and flags (when moving the code to production)**

Mark only one oval.

	1	2	3	4	5	
very rarely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	very often

30. **Not cleaning up the application (e.g., unbind events or cancel asynchronous operations) after destroying components**

Mark only one oval.

	1	2	3	4	5	
very rarely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	very often

31. **Use of ng-repeat directive without using the TRACK BY feature**

Mark only one oval.

	1	2	3	4	5	
very rarely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	very often

32. **Use of directives such as ng-show inside of ng-repeat directive**

Mark only one oval.

	1	2	3	4	5	
very rarely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	very often

33. **Use of long lists with the ng-repeat directive**

Mark only one oval.

	1	2	3	4	5	
very rarely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	very often

34. **Unconscious use of features that trigger the full digest cycle**

Examples: \$http, \$timeout, \$location

Mark only one oval.

	1	2	3	4	5	
very rarely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	very often

Final Comments

35. Please leave any comment that you consider relevant to our research

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Contact Information

Just in case that you want to receive a message with our results.

36. Name

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37. Email

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