

10+

YEARS OF EXPERIENCE

1M+

100+ **ENGINEERS**  300+

HAPPY CLIENTS







**HOURS WORKED** 







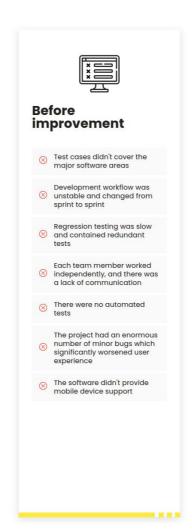
# Case Study: **Quality Management Software**

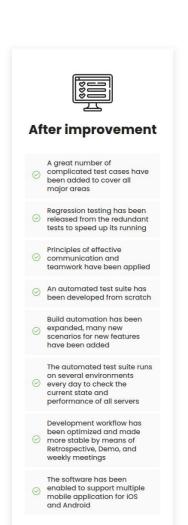
Automated Testing, Mobile Testing, Web Testing



# **Project Overview**

What Quality Management Software had in the testing processes when they came to us and what they got after they started working with us.





100

1800+

3000

100+ REGRESSION TEST CASES

300 PERFORMANCE REPORTS SUBMITTED

**TECHNOLOGIES & TOOLS** QA Team: 2 Senior AQA Engineers Mobile emulators Jenkins Oucumber Oucumber Testrail Browserstack Selenide Project length: 3 years xCode

## The Challenge Quality Management Software platform is a user-friendly tool designed for

construction companies and inspectors in order to collect and analyze data on the works carried out on the construction sites. We joined the project when the software was rather unstable, had an

inefficient development workflow, and didn't undergo competent testing procedures to ensure its quality. Each team member worked independently, and there were often

misunderstandings. The user stories usually didn't contain descriptions of the platform's behavior within the given scenario, which led to a lack of understanding of system operation.

Performance testing wasn't conducted as well. The main goal was to build a team, optimize testing and development processes, and integrate automated tests. Besides, we had to provide the

There were no automated tests, and the regression testing ran pretty slow.

platform with an ability to support mobile devices that required testing on multiple devices.

### **Achievements** We became the center of cooperation. Frequent and effective communication with developers and all team members, as well as weekly

retrospective meetings, contributed to team building. The rule to reread all requirements and add acceptance criteria to each user story was introduced for testers. It has considerably reduced the number of possible bugs at the development stage and improved general understanding of each particular user story. A QC member created a new checklist for every user story to cover all affected areas. Extending of the regression test documentation has led to

more comprehensive testing and relevance for new features. Mobile applications for iOS and Android have been designed. Corresponding tests were conducted on multiple devices: few smartphones

and few tablets with different versions of operating systems. Testing also covered three different browsers on mobile devices and desktop. **Services Provided** 

platform robustness. Jenkins integration in every environment has provided us with an opportunity for scheduled everyday running of automated tests. It ensures the proper work of all the basic platform features. The creation of new automation scenarios helps us to keep up with project development.

Implementation of automated tests has reduced time for every new build

merge, speeded up the running of regression testing, and increased

keep up with a changing system, conduction of performance testing, drawing up of new scenarios for brand new features tasks we are responsible for. Automated Testing →

Scheduled running of automated tests, fixing of build issues to

Most tests are conducted in Chrome (which is a browser of high priority). Both Testrail and Jira help us to have relevant test

documentation for regression/automation runs. We also use Browserstack to cover all kinds of browsers and different devices. If a user has an issue with a particular device, we use Android Studio and xCode to emulate any device, investigate the bug and fix it fast. Web Testing →

fixed. Mobile Testing →

Every new build of Android and iOS applications is tested on

several devices on beta and actual versions of operating systems.

A significant number of bugs in mobile applications have been

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for discussion!

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Free proof of concept We will conduct a free proof of concept and prove that you can trust our quality assurance services

Daily progress reports

12 hours to start

Within 12 hours, our team is ready to start your project

Quick team resize The size of the QA team on your project could be resized in no time

We send an email report with detailed statistics and progress on