RECOGNYTE

Streamlining Developer Workflows: AI-driven real estate intelligence company, Recognyte, sees immediate ROI with SonarQube Cloud

Recognyte is a property-tech company that has combined years of real estate knowledge alongside artificial intelligence and large-scale data collection to ease property management with its SaaS products. They have three different products - ActiveEstate, DataScout, and AssetDynamics - and use four main languages - Golang, Python, JavaScript, and PHP - in their technology stack.

Company profile

Company
Recognyte

Company size
Private - Limited

Industry
Software

The challenge

Recognyte is a property-tech company that has combined years of real estate knowledge alongside artificial intelligence and large-scale data collection to ease property management with its SaaS products. They have three different products - ActiveEstate, DataScout, and AssetDynamics - and use four main languages - Golang, Python, JavaScript, and PHP - in their technology stack.

Before SonarQube Cloud, Recognyte manually wrote unit tests that measured the code coverage for a repository, but due to the number of repositories (100+), they had to build from scratch or find a more general solution for their code coverage efforts to continue to evolve. They would fix known bugs or vulnerabilities, but they couldn't be sure if there were any undetected bugs yet to be discovered. In essence, they were unable to measure the code quality of their projects, lacked a holistic view, and couldn't make future development plans.

Additionally, they couldn't guarantee that they weren't introducing issues or security vulnerabilities into production within their CI/CD pipeline. They were in need of a code quality tool that could provide them with analysis reports for all of their new code, enable them to deliver their new code to production at a certain standard, and help them improve the code quality of all of their projects.

Key results

Analysis of > 400K lines of Code
120+ projects in SonarQube Cloud
Immediate increase in code quality & developer productivity

The solution

After extensive research and analysis, Recognyte chose SonarQube Cloud because it aligned with their code stack and Sonar's integration with GitHub. At first, the development teams had concerns that implementing SonarQube Cloud would reduce their developer productivity and slow down their processes during implementation and ongoing usage. To help address these concerns, Furkan Yavuz, QA lead for Recognyte, selected three repositories from different stacks as a starting point and completed all the necessary configurations in SonarQube Cloud to put the new tool to the test. When the teams encountered SonarQube Cloud analysis results with each of their pull requests in the version control system, they immediately began improving their code quality by examining the analysis results without any specific guidance from leadership.

This was truly motivating for the developers, so they conducted individual meetings with each team and explained the tool to everyone. Once all teams recognized the benefits of SonarQube Cloud and came on board, they introduced SonarQube Cloud to all of their active projects.

Due to their large number of repositories guidance was provided for each team explaining how the configurations should be done. Additionally, they created a SonarQube Cloud Implementation Board page in Confluence to track this process.

They also set a Branch Protection rule in Github by adding SonarQube Cloud code quality checks to automatically block code that fails SonarQube Cloud analysis results. This action has been the key to keeping their code clean and up to standards with the use of their Quality Gates.

"Our ROI in SonarQube Cloud kicked in from the first month. We were able to gain a better understanding of the quality of our code and start rolling out suitable adjustments for the engineering team."

Furkan Yavuz, QA lead, Recognyte

The results

Since adopting SonarQube Cloud as their code optimization solution, they are analyzing more than 400K lines of code and have over 120 projects in SonarQube Cloud. This has allowed them to gain valuable insights into the quality of their code repositories and improve their overall code standards. The result has been an increase in code quality and developer productivity with a more reliable and secure software development process. Like many customers, Recognyte started to see an immediate return on investment when using Sonar.

“We are delighted with the positive impact SonarQube Cloud has had on our projects and code quality and it ensures that our products are reliable for our clients.”

Furkan Yavuz, QA lead, Recognyte