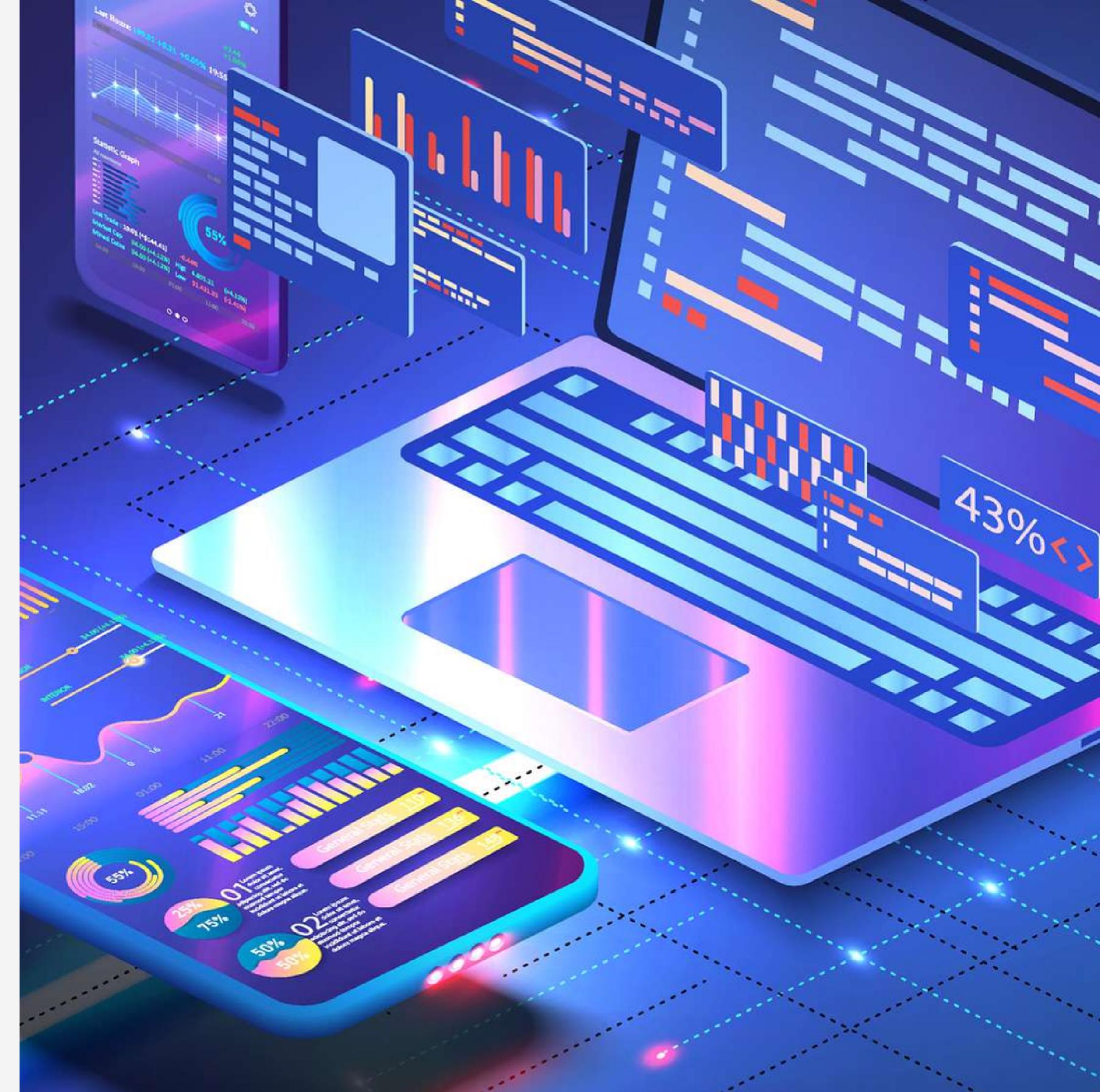
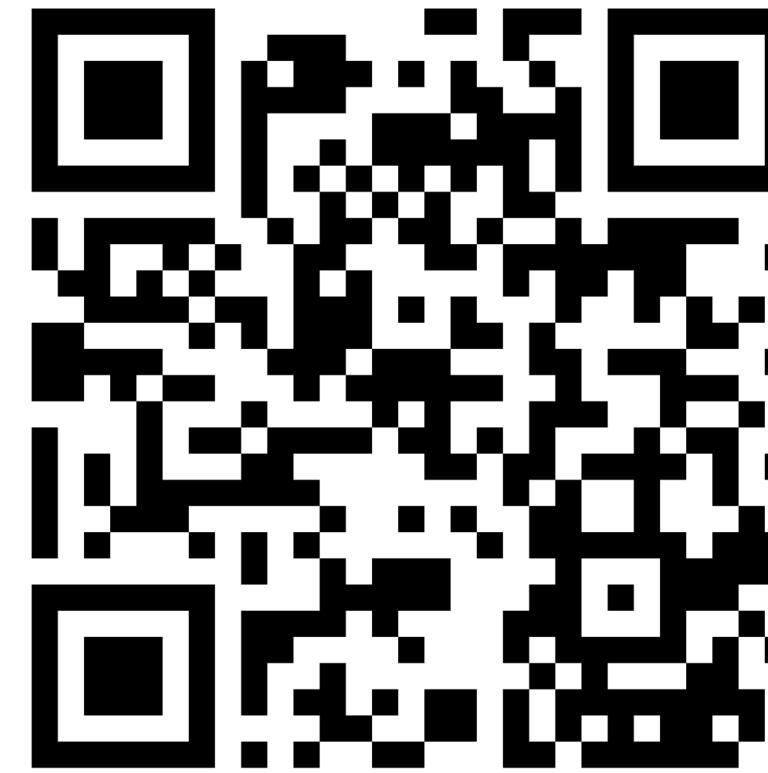
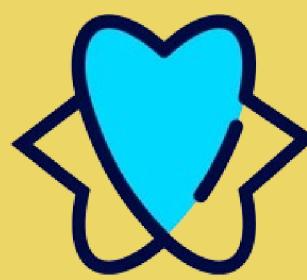


**React**  
Bangalore

# Elevating React Development

Ensuring Code Quality and Security with SonarQube





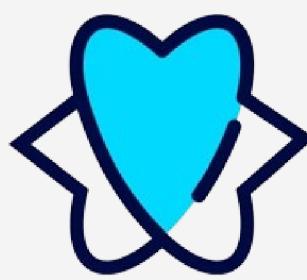
## ABOUT ME

## My React Journey

Ever since I started using React, I have been amazed by its capabilities and it has become my favourite Library.

## My Experience with Sonarqube

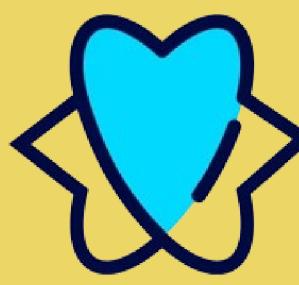
I started using SonarQube for my React projects last year and it has been an absolute game-changer for ensuring code quality and security.



# Let's Begin...

“Any fool can write code that a computer can understand.  
Good programmers write code that humans can understand”

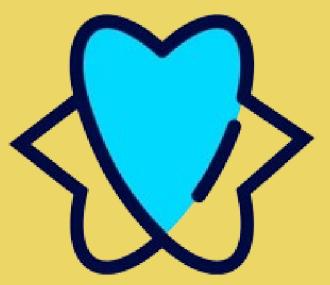
– Martin Fowler



# Problem Statements

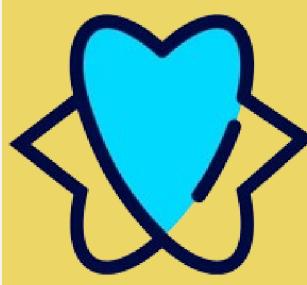
Code is maintained more often  
than it is written

- Maintaining Code Quality
- Manual Code Reviews
- Component Reusability
- Security Vulnerabilities



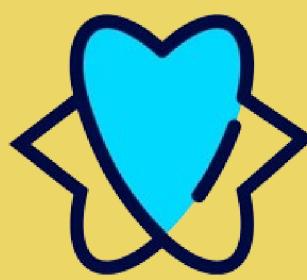
# SonarQube

- SonarQube (formerly known as SonarSource).
- SonarQube is an automatic code review tool that detects bugs, vulnerabilities, code duplication, code smells, test coverage, and excess complexity in a project.
- It has support for 27 different programming languages.



# SonarQube

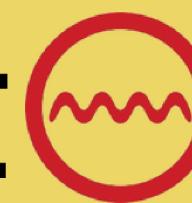
- **Sonar defines coding issues in the below categories**
  - Bug (Cause unexpected problems)
  - Code Smell (Violations of code design)
  - Vulnerability (Weakness of security)
  - New Security Hotspot (Security-sensitive piece of code)
- **Each above categories can be further classified based on severity as below,**
  - Blocker
  - Critical
  - Major
  - Minor
  - Info



# Main Features

- 1. Write Clean Code**
  - a. Overall Health
  - b. Enforce Quality gate
  - c. Analyze Pull requests
  - d. Dig into Issues
- 2. Detect Bugs for Better Code Quality**
  - a. Detect Bugs
  - b. Code Smells
  - c. Security Vulnerability
- 3. Multi-Language Supports**
- 4. Centralize Quality**
  - a. All projects in one place
  - b. Shared rulesets
- 5. It helps for different users in Organization**
  - a. Developers
  - b. Technical management
  - c. Non-technical management

# SonarLint

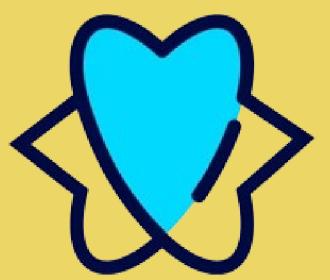


- SonarLint is a free, open-source IDE extension that helps users identify and fix coding issues during the writing codes.
- SonarLint works like a spell checker, Unreachable source code, highlighting issues as you type.
- It provides clear remediation guidance so you can fix issues before committing code.
- SonarLint is like having a coding buddy that helps you become a better programmer. As you write code, it's like having a teacher right there with you, pointing out ways to improve.



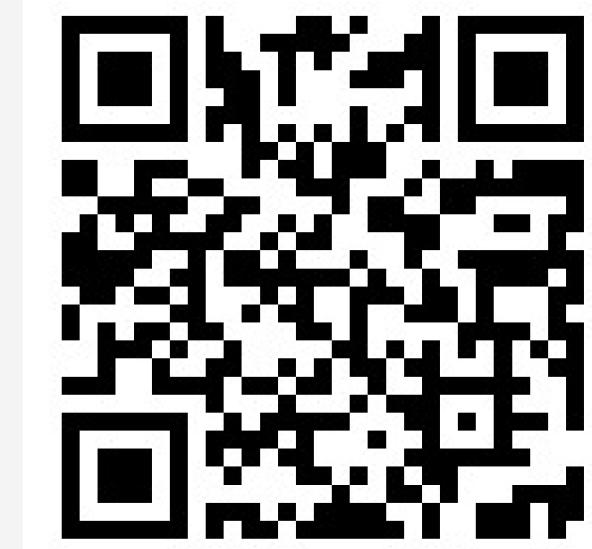
# Q&A ?





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I'd love your  
feedback on  
my session!



Thankyou