

# Healthcare Products to Manage Doctor's Practice



Healthcare client who have pioneered the digitization of healthcare through its futureready AI-powered EMR platform for doctors in India. The start-up currently empowers 10K+ doctors to drive better health outcomes for their patients by providing clinical decision support at the point of care.

Currently, 22 Million+ patients across India have been treated through the platform by doctors practising across 16 specialities with a doctor base and network spanning 370+ cities in India making it the most trusted EMR platform for doctors in the country.

## The Challenges

The Client had multiple challenges in testing which is directly impacting the quality of delivery:

- Regulatory Compliances
- Privacy and Security
- Complex Workflows
- Interoperability
- Performance and scalability
- User Experience

## Quarks Solution

We have picked the application and started working on it step by step:

- Understand the healthcare domain: It's important to have a solid understanding of the healthcare domain in order to design effective tests. You should familiarize yourself with industry regulations, standards, and best practices.
- Identify test scenarios: Determine the scenarios and use cases you want to test. For example, you may want to test how the application handles different types of data, such as medical records or lab results, or how it handles different types of users, such as patients, doctors, or administrators.
- Develop test cases: Once you have identified the test scenarios, develop test cases that cover those scenarios. Be sure to include both positive and negative test cases, such as testing for invalid inputs or error handling.
- Use automated testing tools: Consider using automated testing tools to help you run your tests more efficiently and effectively. There are many tools available that can help you automate various aspects of testing, such as regression testing or performance testing.

- Test security: Healthcare applications often handle sensitive patient data, so it's important to thoroughly test the application's security features. This may include testing for vulnerabilities such as SQL injection or cross-site scripting, as well as ensuring that the application complies with industry security standards such as HIPAA.
- Conduct user acceptance testing: Finally, it's important to involve end users in the testing process to ensure that the application meets their needs and is easy to use. Conduct user acceptance testing to gather feedback and make any necessary improvements.

## The Benefits

### Quarks innovative solutions helped:

- Improved User Experience
- Increased App Performance.
- Enhanced Security
- Cost Savings
- Regulatory Compliance