



# HEALTHCARE

CASE STUDY

## About Client

Our client is a worldwide health technology pioneer that has altered the way patients receive treatment and enabled better outcomes across the healthcare perpetuity.

## The Challenge

The goal of their caregiving products is to make it easier for family members to care for their loved ones. The company offers an easy-to-use medical alert system that allows users to call for help at any time of day or night, even if they are unable to communicate.

However, there were a few issues with the testing process, which needed to be addressed to satisfy escalating client expectations.

## Challenges faced by the client

We needed to find a solution to expand the number of test cases while keeping the testing time down because the application's customer base was growing. Our goal was to provide faster releases without sacrificing the application's overall quality.



- 1** Continuous testing was proving to be a difficult chore in an iterative release process.
- 2** The application's performance had to be regularly monitored to achieve the stated SLAs and provide a consistent experience for customers.
- 3** To cover all of the primary components involved, end-to-end testing was required.
- 4** It was necessary to test the product on a variety of devices and operating systems.
- 5** The app is required to be tested in a variety of settings.

## Our Solution

With the support of numerous open-source tools, QBrainX and the client agreed that the best approach was to automate and create an API testing pipeline, as well as design a bespoke data-driven framework that allows us to:

- Reduce the amount of time it takes to write and maintain scripts.
- To get the most out of multiple automation technologies, combine them.
- Develop unique elements that can be reused across all scripts, such as database connectivity.
- Creating an automated test report.

# Tools and Technologies Used



## Result



Test execution  
time was  
slashed by  
**50%.**



Better  
process  
workflows.



SLAs have  
increased by  
twice.

## About QBrainX

QBrainX is a company with energetic community of Enterprise Architects, Solution Consultants, Technologists & Project/Program Management experts. We're on a mission to empower and strengthen businesses across various domains and make them the best in business. We strive to remain unique with our methods and approach while adhering to the values we've been following since our start. Our assessments, discovery, proof-of-concepts are always loved by the customer community. We work with the best of the best in the technology space as partners.