

HEALTHCARE

Healthcare Service Provider Increases Mobile App Quality



CASE STUDY

MOBILE QA EFFORT ENHANCES PATIENT CARE

Overview

A healthcare service provider increases its application quality with the use of a comprehensive **QA and test automation strategy**, leading to quick time to market. Comprehensive QA and test automation strategy support higher quality of care, security and patient satisfaction.

Key Achievements

- **Quality Assurance cost reduced by more than 50% for the entire program via the hybrid approach**
- Enabled on-time delivery and metrics-based management



Real Challenges

Our client is a wholly owned subsidiary of one of the leading American pharmaceutical companies. They are a transitional healthcare service provider that focuses on quality of care, patient satisfaction and reducing preventable readmissions of patients.

Patient care requirements mandate complete patient handoff and visibility with patients, private physicians, consistent follow-up, medication guidance, and proper coordination post-discharge. Our client envisioned a comprehensive post-discharge service application, Transition Advantage Program. This enabled hospitals to help patients with medical support, thereby preventing readmission issues.

With the increasing demand for interoperability, regulatory compliance (HIPAA) and end-user technology (multiple web browsers and OS's) compliance, the client found it difficult to launch a high quality application. There was a need for an optimized, user-friendly web platform that seamlessly integrated various support entities with the patients enrolled in the Transition Advantage Program.



Our Approach

Infostretch provided an Enterprise Testing Solution that packaged Functional, Security, UI, Database, Integration, Compatibility and Automation Testing. This solution was supported by the Infostretch STAR Testing Methodology.

Our experts designed relevant test cases for comprehensive testing using a combination of manual testing and test automation tools to cover the whole scope of the product and save time from going back and forth. Over 4,000 testable cases were identified and executed.

Since there were multiple environments for the software application, Build Verification Testing (BVT) had to be performed at each and every step of their SDLC. Infostretch developed a robust in-house Automation Framework to provide a faster Build Verification. The testing framework was then extended to include a variety of test environments with different OS/Browser combinations.



- 1 Test management **certainty**
- 2 Functional testing **coverage**
- 3 Integration system testing **completeness**
- 4 User acceptance testing **readiness**

Client Results



Saved execution time

Robust in-house automation resulted in saving over 50% of manual execution time



Reduced costs

Early blocker and critical defect detection helped in reducing the costs



Tested & secure

Periodic dynamic and static security helped to determine security vulnerabilities on time



Consistent & stable

Multiple OS/ platform test execution ensured consistency and stability of the application



No production defects

Successfully delivered product with “zero” production defects

Infostretch developed a robust in-house Automation Framework to provide a faster Build Verification. The testing framework was then extended to include a variety of test environments with different OS/Browser combinations.



Accelerate your digital initiatives with Infostretch.
Contact our team today for a free consultation.

Infostretch helps enterprises rapidly launch new mobility and connected product initiatives, with greater success and less risk. Infostretch is an expert in implementing Continuous Integration (CI) and Continuous Delivery (CD) methodologies and tools and transforming businesses from Quality Assurance (QA) to Quality Engineering (QE).



📞 408.727.1100

✉️ info@Infostretch.com

🏠 www.Infostretch.com

📍 Infostretch Corporation, 3200 Patrick Henry Drive,
Suite 250, Santa Clara, CA 95054

