

Enriching Lives One Digital Pill At A Time.

Customer

Inventor of the Digital Medicine revolution - a new category of pharmaceuticals that measures medication treatment effectiveness. Their mission is to help physicians improve clinical outcomes and enable patients to reach their health goals.

Advent of digital pills

Digital pills have arrived as medication adherence is the need of the hour in the healthcare world, to facilitate effective therapy procedures. These pills are embedded with a sensor and accompanied by a patch, mobile application and provider portal, that provides better insights to patient adherence and treatment effectiveness. It is important to ensure that the platform works well and data is seamlessly integrated with applications of multiple stakeholders.

Business Challenges



Increased manual validation time due to complexity of applications and integrations, resulting in slower time to market for pills and increased product development costs



Data dependencies on provider portal, patient applications and sensor pills, causing an increase in validation effort and data generation for testing



Multiple applications running for different medical departments such as oncology, mental health etc. Regression test coverage limited due to availability of time

The Solution

Test Automation framework covering end to end validation, from data generation till defect log and documentation of test reports across the product line – web, mobile, APIs.



HL7/FHIR based Clinical Integration testing



Flexible & Scalable automation framework



Reusable test bed and scenarios for Medication adherence



Automated data creation and end-to-end regression

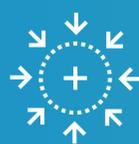


Continuous integration support

Results



Ensured **medication adherence** leading to engaged patients and optimized therapies



Complete coverage for multiple streams such as Oncology, Mental health

97%

Reduction in time for test execution

>90%

Test scenarios automated

85%

Reduced Manual Test effort through Test automation



To know more on how Bosch innovates with partners in the healthcare domain, write to us on connect@in.bosch.com



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