

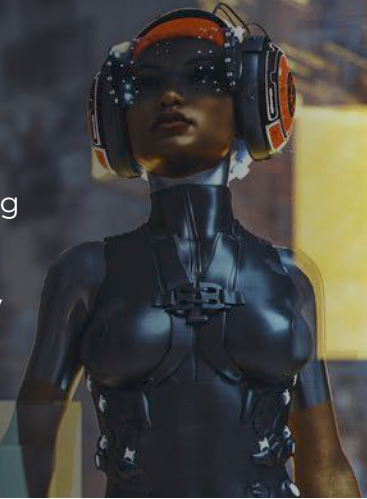


Test Automation

Higher Quality and Faster Rollouts

mobile**LIVE**

For every great piece of software, for every seamless interaction, and every enjoyable customer experience, rest assured, you have testing to thank. Yet, amidst the changing digital landscape, the demand for higher quality and faster product rollouts has also intensified. Demand that can only be met through Test Automation.



Test Automation is not a new concept, however, until recently, many organizations found themselves trapped in a culture of resistance; one that saw unfounded excuses preventing adoption.



“The cost of test automation is too high”

At a glance, investing in automation may seem cost prohibitive - especially for small organizations. Fortunately, nothing could be further from the truth. When implemented properly and utilized correctly, Test Automation will invariably pay for itself through decreasing labour, reduction in time-to-market, and by freeing your teams to focus on more value-added initiatives like customer needs and product improvement and functionality.



“It won’t work in my industry”

Test Automation is industry agnostic and can and has been successfully implemented in industries such as Manufacturing, Telecom, Automotive, Banking, Financial Services, Insurance, Healthcare, Media and Entertainment, and more.



“Manual Testing is better”

In truth, there is no “better” when it comes to testing, just different. While manual testing certainly has its place, when it comes to time-consuming, tedious, repetitive, or mission-critical tests; Test Automation can not only help brands develop quality software faster, but it also enables them to do so at scale and at a fraction of the cost.



“I don’t have a need”

Does customer experience matter to your organization? Is time-to-market critical? Would you be interested in OPEX reduction? Does repeatable accuracy appeal to you? If you answered yes to even one of the above, then yes, you do have reasons to automate your testing.

Fortunately, that resistance is on the way out as more and more brands are realizing the benefits of this game-changing methodology.

The Value of Test Automation



Higher Return on Investment

Manual testing takes too long and becomes cost prohibitive when it comes to multiple agile release/sprints, multiple platforms, OSs, and screen sizes. On the other hand Test Automation, when implemented properly and utilized correctly, will invariably pay for itself through decreasing labour, reduction in time-to-market, and by freeing your teams to focus on more value-added initiatives.



Reduced Time-to-Market

Quick issue detection and prevention, rapid regressions tests, and speedy assessment of software quality ensure faster time-to-market.



Improved Product Quality

Larger test capacity results in more tests in development, which means not only faster feedback but a higher quality product come release time.



Enhanced Reliability

Test Automation is more reliable and much faster when running mundane, repetitive, and standardized tests which can never be skipped but may cause errors when manually tested.



Greater Coverage

In order to increase the depth and scope of your testing, you need to automate. This will not only improve quality but lengthy tests that are often avoided in manual testing can be run unattended and even across multiple machines and configurations.



Improved Accuracy

No matter how careful, even the best tester will make mistakes during long, monotonous manual testing. Through automation software, you can be sure of test accuracy every time, all while recording detailed results.

However, despite ever-growing widespread adoption, we still see many organizations across industries not reaping the full value of this methodology, and the problem lays in their **end-to-end continuous integration and deployment**.

Most agile organizations find themselves in an environment that demands multiple releases across multiple platforms all with an uncompromised focus on the user experience. However, they are challenged with bringing success in their DevOps, balancing the quality and the quantity of their development, and meeting the demand for faster rollouts.

What's holding brands back from success?

- Lack of automation expertise
- Lack of automation infrastructure
- Not knowing what framework to use
- Wrong selection of automation tool
- Deciding when and what to automate
- Not implementing best practices

As a result, we see organizations turned off by Test Automation, and it's unrealized promises. We see compromised and diminished agility in their developmental efforts; we see an inability to scale their attempts to meet demand, and we see reduced reliability all the way from the products created to the practices that create them. And perhaps, the most painful of all the unrealized promises is the lack of growth and profitability; a significant benefit that helped tip the scales in favour of adoption in the first place.

The promises of Test Automation have not been taken away and are still within an organizations grasp - and we can help you realize them.

How to Approach Test Automation



The last person you want to find a bug or a glitch is your user. Sadly, this is usually the case when organizations take a reactive approach to testing and don't ensure that best practices are in place after implementation.

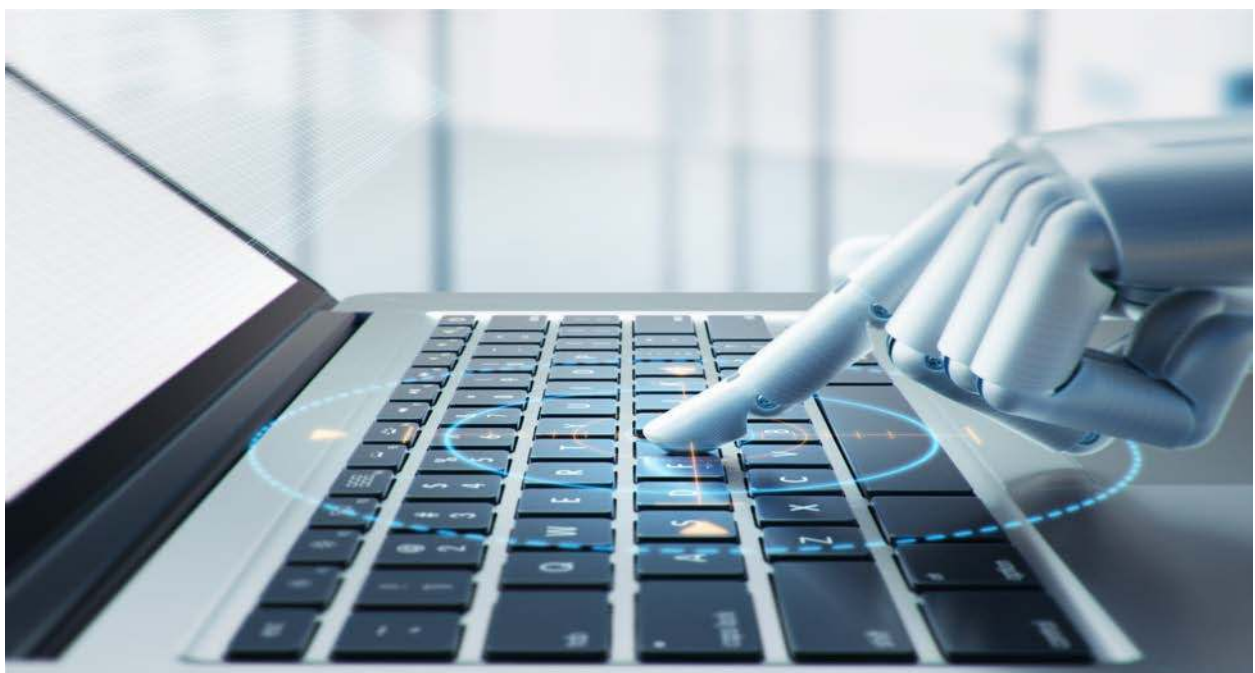
At mobileLIVE, Test Automation is in our DNA. Whether working across the complete mobile ecosystem, full product lifecycle, functional or non-functional 360° coverage, and even when evaluating across specialty domains, we believe in testing early and frequently while providing a simple, intuitive, and flexible approach that can work across platforms and in parallel execution.

Our Goal:

Test Automate anything that has an interface

Our Approach:

Prevention is better than detection



What makes our approach different?

If our goal and approach didn't give it away, we take an **Automation-First** and **Continuous Integration** attitude to testing. Why? Simple, to:

- Reduce time-to-market
- Improve product quality
- Have greater test coverage
- Enhance reliability and accuracy
- Provide a higher return on investment

Our Expertise in Utilizing Test Automation

We provide complete testing services across the entire digital landscape:



What Sets Us Apart

What sets mobileLIVE apart from others in the Test Automation space is not only the promise of higher ROI, greater coverage, faster time-to-market, enhanced reliability, or even improved quality but our approach and best practices that bring success to organizations like yours.



Doing it Right, by Shifting Left

Perhaps the most critical and commonly overlooked is the Shift-left approach.

Shift-left helps you find and prevent defects early in the software delivery process. At its core, the idea is to move tasks “to the left” or as early in the lifecycle as possible so as to improve the overall quality of the development.

How we can help

Whether you are pre or post-Test Automation adoption, there will inevitably be some pain points stemming from the transition and its implementation. However, with our expertise and services, mobileLIVE can mitigate these and help you seamlessly reap the rewards of automation.

- Strategy & Best Practices
- Framework & Test Development
- Tools & Technology Integration
- Reporting & Dashboards
- Test Automation as a Service

Test Automation, if planned, implemented, and used effectively, can be a game-changing practice for organizations, empowering them to produce better products with fewer resources, in reduced time, and with higher quality.

The topic of Test Automation is one that runs broad and deep. While we hope we have answered many of your questions, we'd also like to open the door and invite you to reach out to discuss this solution and how it can work for your business.

Case Studies

These should bring you confidence!

A Leading Medical Technology Company



Challenge:

A leading medical technology company had developed a revolutionary new application that could make wound care faster, more accessible, and better for medical professionals. However, they lacked the automation and infrastructure in place to properly perform regression testing, which resulted in extensive labour costs for manually testing across multiple platforms and with frequent updates.



Solution:

After assessing the problem, we recommended a cloud-based automation tool as part of a more holistic Test Automation as a Service solution. This allowed for easy test creation and execution, along with analysis and reporting. To further add to our solution, we developed a custom plugin that checks for new builds, launches tests, submits results, and sends notifications all using third-party tools.



Success:

Through continuous integration (CI) the company saw a 50% reduction of bugs going into release and was able to automate over 600 flows, validated daily on multiple apps for iOS. Our solution provided not only a shortened release cycle of one week to three days but also a reduction in manual testing resources of 4:1, with only support required to perform lab maintenance.

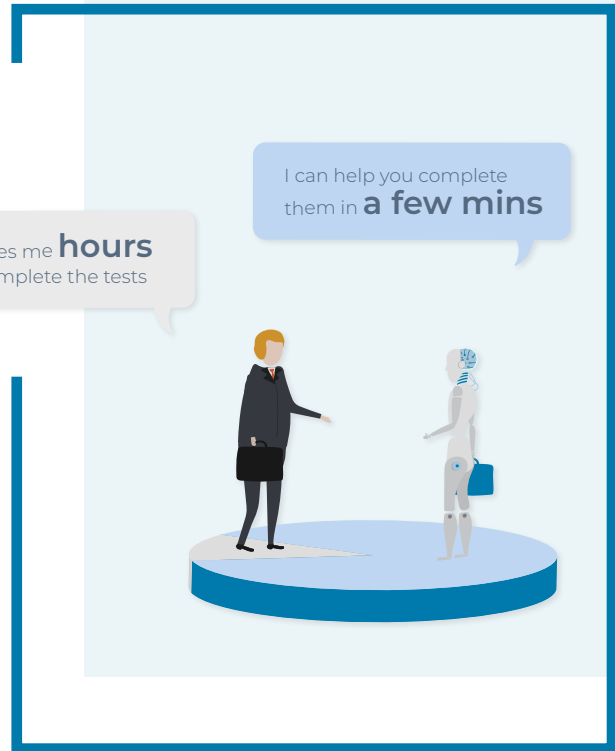
A Big 5 Canadian Bank

Challenge:

The bank wanted to replace its existing testing products that required multiple test streams with each individual User Interface being manually tested. This problem was further burdened with not only a complex flow, multiple platforms, and frequent updates, but extensive test cases and form validation that saw a backlog in development and time-to-market. The bank needed to ensure that defects would not be found by customers or impact services provided.

It takes me **hours**
to complete the tests

I can help you complete
them in **a few mins**



Solution:

Working closely with their internal teams, we were able to provide robust test cases that easily demonstrated the full capabilities of an automation tool across multiple products and their complete technology stack, ultimately streamlining their testing process.

Providing Test Automation as a Service, we were able to provide test creation, execution, analysis and reporting; as well allowed for regression testing to occur on a 24-hour cycle.



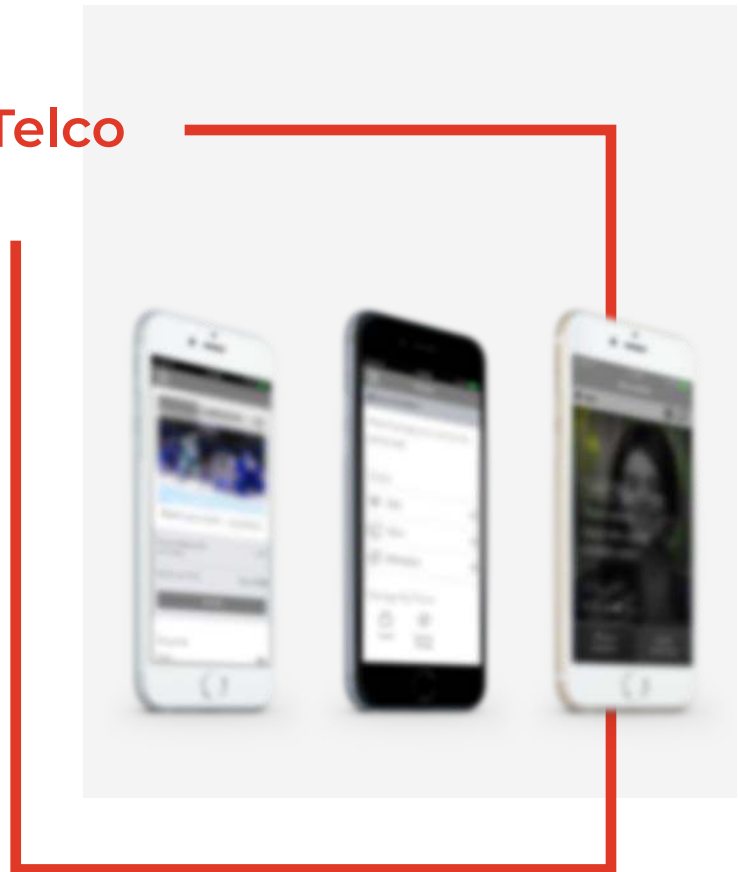
Success:

Through our solution, the bank was able to automate the end-to-end processes, including 200 flows across multiple projects all validated daily. By automating the regression tests to run overnight, the bank also found 30% more defects and was able to accelerate their release cycle by 50% through reducing their reliance on manual regression testing.

A Large Canadian Telco

Challenge:

The telecom operator wanted to modernize their online experience for customers so they could effectively manage their wireless, TV, internet, and home services. The problem they faced was a lack of existing automation and infrastructure, along with a complex backend and the need for frequent updates. The solution needed to be tested across multiple platforms while ensuring the integrity of the user experience.



Solution:

Utilizing our extensive expertise, we implemented a cloud-based automation tool. This was further complemented by providing the telecom with Test Automation as a Service, that allowed for easy test creation, execution, analysis, and reporting.

Success:

With our solution, the telco was able to automate 1200 flows, validated twice weekly, across six platforms and in two languages. More than 100 critical defects were found and reported directly to the clients defect management system. Within six months, the telecom not only realized ROI but was able to significantly reduce their manual regression testing resources from 20 to just three.

