

AIR BNB

AUTOMATION

Founded: August 2008,
12 years ago,
in California

Founder: Brian Chesky

Area served: Worldwide

Airbnb, Inc. is an American vacation rental online marketplace company based in San Francisco, California, United States. Airbnb maintains and hosts a marketplace, accessible to consumers on its website or via an app. Through the service, users can arrange lodging, primarily homestays, and tourism experiences or list their properties for rental. Airbnb provides a platform for hosts to accommodate guests with short-term lodging and tourism-related activities.

Guests can search for lodging using filters such as type, dates, location, and price, and can search for specific types of homes, such as bed and breakfasts, unique homes, and vacation homes. Before booking, users must provide personal and payment information.

Why TestRunner:

With over 2 decades of developing and implementing a leading Test Automation tool, method, and practices, ITAS is one of the few firms that specialize in Test Automation with the depth and breadth of services to ensure your success in Digital Assurance. We'll make Test Automation become your business' competitive edge by continuously releasing higher-quality applications faster.

Company Challenges:

Test automation frameworks can bring testing teams plenty of benefits, but only as long as they know how to efficiently manage common test automation challenges. When used right, automation can boost the productivity of your team and enhance the quality of your products.

1. As Airbnb uses Salesforce platform and it is all dynamic so things are changes frequently
2. Flow of the business process changed regularly as business process are not finalize in timely manners.
3. Code is deployed on daily basis so there are chances that some functionalities might miss in the deployment.
4. Understanding the expectation of stakeholders and end-users.
5. Knowing when to begin and stop testing
6. Team Communication & Collaboration

If you develop quality software, it needs best practices. It needs code reviews to write quality code. It needs a framework or design pattern to be followed. It needs constant maintenance.

They say “automating chaos just gives you faster chaos,” not only faster, but harder, faster, stronger... chaos. Automation can be an awesome productivity booster within testing teams and a quality enhancer for your systems when used correctly. The key is to make sure that it is used the right way, which is the hardest part when starting out.



Benefits:

ITAS helped Airbnb make sure that its customers had a great experience online, thus staying true to its focus on customer satisfaction through quality that has been the hallmark of its business since its founding.

Test Automation greatly helps reduce the time-to-market of an application by allowing constant execution of test cases. Once automated, the test library execution is faster and runs longer than manual testing.

One of the biggest business perks of automated testing is that it can be implemented time and again, with minimal effort and maximum accuracy.

Automated testing comes as a relief for validation during various phases of a software project. This improves communication among coders, designers, and Product Owners, and allows potential glitches to be immediately rectified.

Solution:

TestRunner Test Automation services will help you implement Test Automation for both Agile and DevOps processes. Our Test Automation professionals will help you at each step along the way of your Automation implementation; from helping to select the test cases that are best suited for Automation, to configuring your testing toolset for rapid enterprise Automation, we'll work with you to scale and maintain your new automated test suites.

Whether you're new to Automation Testing or have a complex testing scenario, we can help you successfully transition to DevOps to maximize the ROI of your investment and make sure you keep up with modern SDLC practices. We follow the following approach:

- **Automation Strategy:**

Through a Proof of Concept (POC), our consultants will audit your existing testing processes, test suites, and test execution infrastructure to establish a roadmap for implementing and scaling Automation.

- **Specialized Automation Testing services by Automation experts:**

Our Automation testers have extensive experience in Selenium/Appium and our own codeless Test Automation tool. We can help you extend this knowledge to fit in with your unique Automation needs, thereby achieving a higher ROI.

- **Recommend Automation Best Practices:**

Our consultants can implement best practices to increase your productivity, and improve overall testing for maximizing Continuous Testing. This is achieved by setting up effective communication processes, enhancing existing artifacts for future use, and creating a knowledge repository for cross-functional training.

- **Test Execution:**

We can automate and execute your regression test suites using VMs, or cloud-based virtualization services. We can also hand off these automated test cases to your test team to perform test execution.

Conclusion:

The automation effort was planned for 6 milestones including one Milestone for Knowledge Transfer. The out-of-the-box approach we embraced on this effort allowed us to verify graphs and waveforms which would have been impossible with the automation tool alone. The automation effort has covered areas that would have been difficult to test manually considering the different combinations that are possible and thereby ensuring at least 50% lesser testing cycle per release of the application.