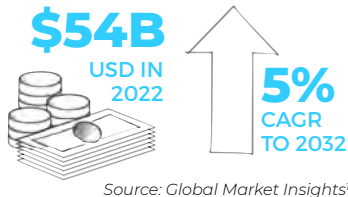


Winning the Software Testing Market



Background: Fragmentation, with Successes Based on Common Denominators

The software testing market is large...
... and growing.



There are few large successes.
Why? The testing market is fragmented in two dimensions:



Application-specific testing needs



Languages used to build applications

Successes use common denominators to overcome fragmentation:



Front End: E2E Tests by BrowserStack, LambdaTest, Cypress, Playwright



Communication: Integration Tests by Kong and Postman



Shift to Agile: Pipeline Management by Harness and CircleCI

Today: New Development Needs, New Opportunities to Unify

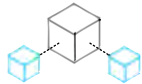
APPS

Application-Specific Testing Needs of Modern Applications

Rise of Cloud-Native Deployment



Infrastructure is now a dynamic application that must be tested with the rest of the application



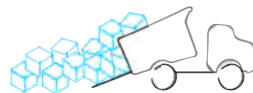
Needs **abstractions** for the interactions among application services and infra services (clusters, pods, service meshes, etc.)

The Common Need for Scale



Most applications face significant **data and interaction scale**

(e.g. fanout for table stakes like notifications)



Needs **abstractions** for load generation/testing

Increased Burden on Devs via Shift-Left QA



Tools like **generative AI** can help, but only if their code is **correct**



Needs **auto-verification** of functionality

LANG

The Rise of a Common Language

70% of developers are familiar with Javascript/Typescript

71% of development is for backend

Source: Jet Brains²



No widely-used Javascript backend integration framework exists despite the rise of Node.js

Skyramp: Test Easy, and Monetize the Modern Testing Market

APPS

Skyramp delivers an **easy-to-use library + cluster/client-side tooling** to solve these common application-specific challenges

Support for Cloud-Native



Leverage turnkey cloud-native abstractions and in-cluster functional mocking to isolate and test complex microservice interactions

Support for Scale



Leverage turnkey abstractions for describing load tests and in-cluster load generation to test scale easily

Support for Validating Generative AI



Leverage Skyramp to functionally test generated code

LANG

Skyramp meets developers where they are by offering a **Node.js integration test library**



1: Global Market Insights: <https://www.gminsights.com/industry-analysis/software-testing-market>

2: Jet Brains <https://www.jetbrains.com/lp/devecosystem-2021/>