

If Selenium was the backbone of web automation for the last decade...

Will Vibium become the new framework that merges reliable testing with Al-driven intelligence?

The Big Question: What's the Future?



Encourages community collaboration and faster improvement

premise") to keep company data secure

Can be run on your own computers ("on-

Privacy and Control

Free and Open for All

Large Language Models (the "brains" of the AI)

Al Costs & Speed can be expensive and slow to run

The challenge is to get the benefits of Al's adaptability...

of software tests

...while still ensuring that tests are reliable and produce consistent, repeatable results (determinism)

Balancing Flexibility and Reliability

Challenges to Overcome (The

Hurdles Ahead)

For Everyone: The Open-Source

Promise

"Vibium" The Future of Website Testing - by Jason Huggins

It adds a new layer of fast, Al-assisted checks

A classic concept that balances different types

This allows for answering high-level business questions quickly

Example: "Can users still complete a purchase from my online store?"

What is the Testing Pyramid?

How Vibium changes it:

A New Way of Thinking: Rethinking the Testing Pyramid





Who is the creator?

What is Vibium? (The "Selenium for AI")

What's the big idea?

Jason Huggins: A pioneer in software testing

Famous for creating industry-standard tools like Selenium & Appium

Using Artificial Intelligence (AI) to automatically test websites and apps

It aims to standardize Al-driven testing, just as Selenium did for web testing

How it Works (Fresh Start, Familiar DNA)



A Revolutionary Idea... "Model-Based Testing 2.0" Built from scratch with modern technology

An Evolution of Selenium

Powered by "WebDriver BiDi" & WebSockets for super-fast, stable communication

The Common Problem: Tests often break when a button moves or its code name changes

Why Add AI? (The Flakiness Fix)

Vibium's Solution: "Fallback Intelligence"

Analogy: It's like Google Maps suggesting an alternate route when you hit a roadblock

When a test gets stuck, the AI steps in to find a

The Old Way: Writing rigid, step-by-step test instructions manually

The New Vibium Way: Creating an automatic "map" of the entire application

Vibium's AI explores the website and learns its structure automatically

Analogy: It's like how Google Street View cars mapped the real world, but for an app