

## NimbleApp Code Profiling

Proactively detect build-over-build performance regressions and delve deep into client-side issues pertaining to native code and more

### Business Challenges

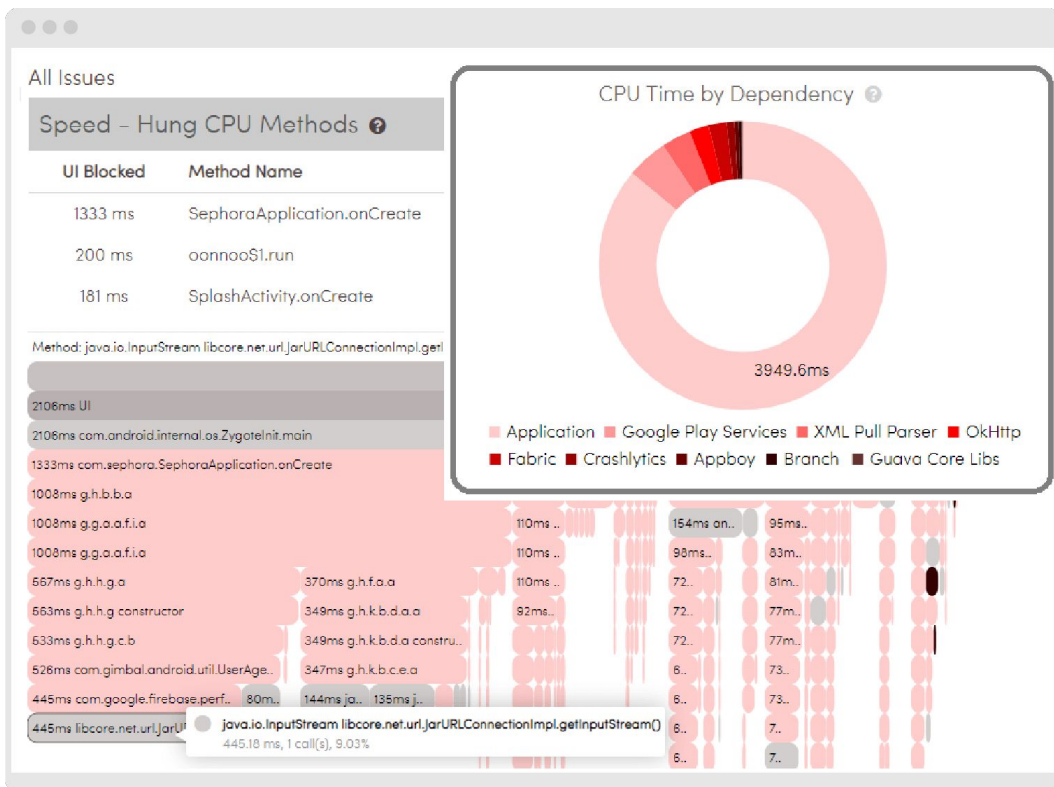
Today's mobile and web apps rely on a complex web of dependencies to deliver the competitive experiences users expect. In order to rapidly launch high quality releases on a tight schedule, app teams need to be able to automatically profile every critical user flow for every build of their mobile apps, and quickly identify client-side performance issues across native code, device resources, and 3rd party SDKs.

### Solution

Embedding **HeadSpin's NimbleApp** into continuous integration workflows can help developers, QA, product and engineering managers:

- Pinpoint issues early in the dev cycle
- Accelerate problem resolution
- Publish high quality apps on day one and beyond
- Ensure revenue growth and high user engagement

NimbleApp is available as a function call stack view inside HeadSpin Performance Sessions, or may be purchased standalone for the full capability.



Examine the call stack or CPU time by dependency to identify slow methods and SDK bloat.

### Case Study: Pinterest

User experience is crucial to Pinterest's success. The Pinterest Performance Team implemented HeadSpin's NimbleApp to create automated regression tests. Running on Android and iOS builds generated from code changes, HeadSpin's NimbleApp alerted them when their custom-defined Pinner Wait Time (PWT) metrics exceeded designated thresholds.

### The Results:

- Detected **30 slowdown regressions**, which would have added **3 seconds** to the overall load time for each user
- Regressions **solved in 21 hours** vs multiple days historically
- Regressions **caught earlier in the cycle** and never released to users

**60%** ↑  
Faster in-app load times

**300%** ↑  
Faster identification & resolution of regressions

Learn more about **how our customers** are deriving value from HeadSpin solutions.

## Features

Ensure total visibility and control throughout the app lifecycle *with no SDK or code changes required*. With HeadSpin's NimbleApp, you can test iOS, Android, and mobile web apps in a highly controlled environment, diagnose root causes of crashes and slowdowns, measure device resources, and track performance over time.

### ✓ Deep Code Visibility

Profile critical app user flows on real devices. Pinpoint root causes of issues such as crashes, hung and slow methods, and third-party SDK bloat.

### ✓ Smart Alerts

Catch and fix regressions in your code. Get instantly alerted to slowdowns, crashes, and other critical issues as soon as problem code is introduced.

### ✓ CI/CD Integration

Seamlessly integrate into continuous integration workflows and automatically analyze every build of your app. Speed up your release checklist and catch hard to find issues.



*Automatically profile and baseline every build of your app and identify performance degradation as soon as issues are introduced.*

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## Impact



Proactively detect issues



Reduce mean time to resolution (MTTR)



Accelerate release cycles

Learn how you can do all this and more with HeadSpin. **Contact us today.**