

Shopify uses Bugsnag across 30 developer teams to service over 377,000 online stores



CHALLENGE

Reliability is Shopify's top priority for its 300 thousand plus daily users. Without the ability to gauge the impact of errors, Shopify engineers had limited visibility into user experience, and often times customers contacted them with problems before errors were discovered.

RESULTS

Using Bugsnag, Shopify engineers are aware of errors significantly faster, can more easily replicate errors, and can proactively see the effects of their code. Trend analysis helps engineers understand common causes of errors and mitigate future problems.



INDUSTRY
E-commerce



PLATFORMS
Ruby, JavaScript, Go,
Android



CUSTOMERS
377,500 online stores



EMPLOYEES
2000+

Before error monitoring, ensuring reliability for Shopify's worldwide customer base was tedious, time consuming, and inefficient. Shopify develops e-commerce software for more than 377,500 online stores and retail point-of-sale systems around the world. For Shopify's engineering team, the top priority is to maintain reliability for each customer worldwide. However, that process used to be very time-consuming and tedious for Shopify's software engineers. "Troubleshooting used to be slow and unpleasant, requiring us to invest a lot of time digging through logs and piecing together information from multiple sources," states Blake Mesdag, Sr. Developer for Shopify's CI Infrastructure team.

Trend analysis is another great way to mitigate potential exceptions, but before error monitoring was implemented,

it was difficult to build a complete picture of errors over time. Without spike notifications, alerts that indicate a sudden increase in the occurrence of an error, bugs would escalate and affect customers, requiring them to reach out to Shopify so they could be fixed.

Preempting support calls with increased visibility into errors

It soon became apparent that a more proactive way of addressing errors had to be implemented for all of Shopify's development process.

"Without error monitoring, you're flying blind — there's almost no point if you can't see what you're doing right and wrong, and you can't make any informed decisions."*

After considering several options, Shopify chose Bugsnag for automatic error monitoring of their entire tech stack. Shopify's developers, across 20-30 teams, can now proactively see the effects of their code, and identify and troubleshoot errors before they impact merchants.

Before Bugsnag, Shopify software engineers could not proactively see what errors were occurring and would have to wait for customers to reach out with problems. They would then have to dig through logs to find an exception ID, and then use that to find it in the exception tracker.

"Bugsnag surfaces all of this information in one place, and it tells us exactly what caused the error. There is a lot less search involved with Bugsnag, and the overall process of troubleshooting bugs is significantly more pleasant."*

Using trend analysis to mitigate future errors

With Bugsnag, Shopify developers can also analyze trends on exceptions. This helps them understand common factors that cause failures so they can take a proactive approach to mitigate these in the future.

Trend analysis is powerful for the infrastructure team to diagnose if specific machines are causing more issues than others. In addition, by having spike notifications, it becomes much easier to pinpoint errors that are quickly escalating, prioritize them, and get them fixed much faster.

"Overall, Bugsnag has helped me become more confident in the code I ship, which in turn helps me ship faster."*

***— Blake Mesdag, Sr. Developer**

SMARTBEAR | About SmartBear

At SmartBear, we focus on your one priority that never changes: quality. We know delivering quality software over and over is complicated. So our tools are built to streamline your DevOps processes while seamlessly working with the products you use – and will use. Whether it's TestComplete, Swagger, ReadyAPI, Cucumber, Zephyr, Bugsnag, or one of our other tools, we span from test automation, API lifecycle, collaboration, performance testing, test management, app stability and error monitoring, and more. Whichever you need, they're easy to try, easy to buy, and easy to integrate. We're used by 16 million developers, testers, and operations engineers at 24,000+ organizations – including world-renowned innovators like Adobe, JetBlue, FedEx, and Microsoft. Wherever you're going, we'll help you get there. Learn more at smartbear.com, or follow us on [LinkedIn](#), [Twitter](#), or [Facebook](#).