

statista



herodevs

HOW STATISTA SECURED THEIR LEGACY VUE.JS APPLICATION WITH HERODEVS NEVER-ENDING SUPPORT

CLIENT PROFILE

Statista stands out as one of the world's foremost providers of statistical and market data, empowering organizations and individuals to make data-driven decisions. With an expansive database featuring over 1.5 million statistics across more than 80,000 topics, Statista delivers mission-critical insights to international businesses, government agencies, research institutions, and educational organizations worldwide.

Founded in 2007 in Germany, Statista has grown to employ more than 1,400 professionals across 8 global locations, establishing itself as a trusted source for high-quality, reliable data.



"Our platform serves as the factual foundation for thousands of organizations making critical business decisions every day. Maintaining both security and performance is non-negotiable for us."

— Ingo Schellhammer, CTO

TECHNICAL CHALLENGE

SECURITY VULNERABILITIES IN END-OF-LIFE FRAMEWORK

Statista faced a significant technical dilemma when Vue.js 2.x reached its end-of-life milestone. Their substantial application, built partially with this JavaScript framework, was now in a precarious position from a security standpoint:

- » **Security patch cessation:** The official Vue.js team had discontinued security updates for the 2.x branch
- » **Expanding vulnerability surface:** New security exploits would remain unpatched in the standard Vue.js 2.x framework
- » **Resource allocation conflict:** A full migration to Vue.js 3.x would require substantial developer resources

The technical complexities were compounded by Statista's simultaneous development of a next-generation application using a completely new technology stack. This strategic initiative already consumed significant engineering resources, creating a difficult choice: delay their strategic roadmap to perform a tactical framework migration, or accept increasing security risks.

"We were caught in the classic technology dilemma – spend valuable engineering time updating a legacy system we were already planning to replace, or accept increasing security risk. Neither option aligned with our business objectives."

—Markus Wolf, Architect

THE SOLUTION

HERODEVS NEVER-ENDING SUPPORT

After evaluating multiple approaches, Statista implemented HeroDevs' Never-Ending Support (NES) for Vue.js 2.x. This solution provided extended security support for the otherwise end-of-life framework, delivering:

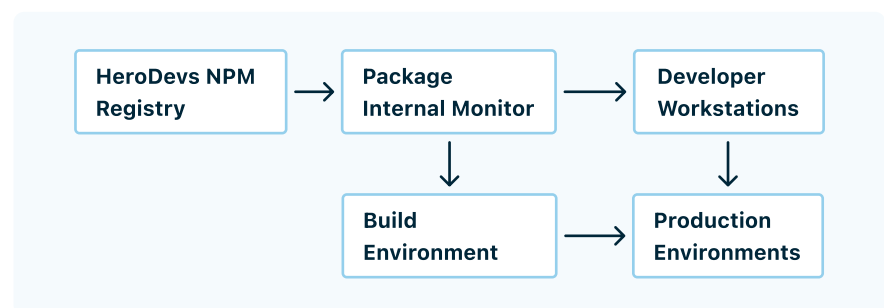
- 1. Continuous security patching:** HeroDevs' NES version of Vue.js 2.x includes ongoing security updates that address vulnerabilities as they emerge, even after official support has ended.
- 2. Drop-in replacement compatibility:** The NES Vue.js implementation maintains complete API compatibility with standard Vue.js 2.x, requiring minimal changes to existing codebases.
- 3. Reduced technical debt risk:** By avoiding a hasty migration, Statista prevented the introduction of new bugs and regressions that often accompany large-scale framework migrations.

IMPLEMENTATION

SEAMLESS AND SECURE INTEGRATION

Implementing the HeroDevs solution required careful planning to maintain security while enabling developer access. Statista's approach included:

- 1. Secure credential management:** To avoid distributing the HeroDevs access key across the entire development team, Statista established an automated npm mirroring system.
- 2. Centralized distribution:** The latest NES version was automatically mirrored into Statista's internal package manager, creating a single reference point for all developers.
- 3. Environment-wide implementation:** The solution was deployed across all development environments, including custom build processes, staging, and production environments.



"The technical implementation was surprisingly straightforward. HeroDevs' documentation covered all the edge cases we encountered, and their support team was responsive when we had questions about our particular deployment architecture."

— Markus Wolf, Architect

RESULTS

COMPLETE VULNERABILITY PROTECTION

The implementation of HeroDevs' Never-Ending Support for Vue.js 2.x delivered immediate and tangible benefits:

- ✓ **100% vulnerability remediation:** All known security vulnerabilities on the client side of Statista's application were addressed.
- ✓ **Operational continuity:** The solution protected Statista's application, customers, and business operations without disrupting development workflows.
- ✓ **Resource optimization:** By avoiding a costly migration process, Statista could maintain focus on their strategic technology initiatives while ensuring current systems remained secure.
- ✓ **Maintained compliance** with internal and customer security requirements

WHY THIS MATTERS

Statista's experience offers valuable insights for organizations facing similar challenges with end-of-life frameworks:

When the Statista team first discovered that Vue.js 2.x was reaching end-of-life, their situation mirrored what countless organizations face every day. The standard industry advice—"just upgrade to the latest version"—sounds simple in theory but ignores the complex reality of enterprise software development.

You have an application built on what was once a cutting-edge framework. That framework now reaches end-of-life status, but your application still delivers critical business value. The pressure to both innovate and maintain becomes overwhelming.

This reality represents a growing challenge as the pace of framework obsolescence accelerates. In the early 2000s, technology frameworks often had lifespans measured in decades. Today, major versions of popular frameworks may become obsolete in just 2-3 years, creating a perpetual migration treadmill for development teams.

- 1. Challenge the binary decision fallacy:** Rather than accepting the false choice of "migrate or accept risk," explore third-party solutions that can bridge technical gaps.
- 2. Align technical decisions with business strategy:** Security maintenance should support, not derail, strategic initiatives.
- 3. Quantify the full cost of framework migrations:** Consider not just the development hours, but also the opportunity cost of diverting resources from strategic projects.
- 3. Implement secure supply chain practices:** When using third-party security solutions, establish secure distribution mechanisms to prevent credential exposure.

WHY THIS MATTERS

"Beyond the technical benefits, HeroDevs' solution delivered significant business value. We maintained our security posture without compromising our strategic roadmap, all while achieving substantial cost savings compared to a full migration."

— Markus Wolf, Architect

For organizations balancing security requirements with strategic technology evolution, the Statista case demonstrates that with **HeroDevs** as the right partner, it's possible to maintain robust security while focusing development resources on future innovation

