

Vietnamese Electronic Payment Company Improves Mobile App Security with Guardsquare



Runtime application self-protection (RASP) and obfuscation protect payment information for mobile customers



The Company

This company is one of Vietnam's top mobile and electronic payments providers. Working with a range of customers—from banks to telecommunications companies, and hundreds of eCommerce merchants—the company is well-established and trusted by its users and partners.

With its solutions, customers can complete mobile banking transactions, use SMS to query bank accounts, pay bills, book tickets, buy mobile phone credits, and much more.

Company details

Industry

Payments

Location

Vietnam

Private/Publicly owned

Private

Employees

501 - 1000

Challenges

- Prevent reverse-engineering and app tampering
- Protect sensitive customer information

Solutions

- ProGuard
- DexGuard
- iXGuard

“As a company that operates in the finance space, security is one of our key priorities. With DexGuard and iXGuard implemented, our mobile apps are more secure and cannot be reverse-engineered. Most importantly, our customers' sensitive information is protected within our mobile apps for Android and iOS.”

- Chief Technology Officer (CTO)

The Challenge

Mobile applications are the cornerstone of the company's business.

With so much sensitive data flowing through the company's mobile apps, the company wanted to ensure that its apps for both iOS and Android included maximum security protection in order to maintain user trust, avoid reputational damage, and minimize losses due to fraud. The company's security team is tasked with ensuring that its apps are built with security top of mind, not as an afterthought.

"Security is of utmost importance to us, because we process many financial transactions. Like all banks and financial institutions in Vietnam, we're also regulated by the State Bank of Vietnam. We need to meet their standards for safety and security," said the company's Chief Technology Officer (CTO).

The security team set out to find and implement a security solution that would prevent reverse-engineering and app tampering. At the same time, they knew it was important to maintain a great customer experience with their mobile apps remaining fast and easy to use.

"We needed a security solution to protect our customers, our reputation, and the company from financial loss," said the CTO.

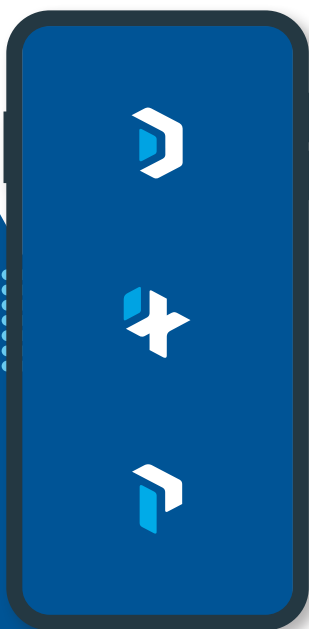


The Solution

The company had been using ProGuard, Guardsquare's free, open source solution for app shrinking and optimization. So when they started looking for more advanced security protection, it was natural that they turned to Guardsquare's commercial products for Android and iOS: DexGuard and iXGuard.

The CTO was attracted to DexGuard and iXGuard's multi-layered approach to security, including runtime application self-protection (RASP) and obfuscation.

"We needed a solution that ensured our mobile apps could not be reverse-engineered or tampered with, especially via rooting, jailbreaking, or other methods," said the Chief Technology Officer. "DexGuard and iXGuard met our security requirements and they were straightforward to implement because the team was already familiar with ProGuard."



The Result

The company's developers and DevOps engineers seamlessly incorporated DexGuard and iXGuard into their app development processes. Upon follow-up testing, its apps could not be reverse-engineered—showing that RASP, obfuscation, and other code-hardening techniques offered by DexGuard and iXGuard were working well.

“As a company that operates in the finance space, security is one of our key priorities,” said the CTO. “With DexGuard and iXGuard implemented, our mobile apps are more secure. Most importantly, our customers’ sensitive information is protected within our mobile apps for Android and iOS devices.”

The company also taps into Guardsquare's team of experts for support, when needed.

With Guardsquare's team on call, its team of developers and security experts can reach out at any time with questions and to provide feedback on DexGuard and iXGuard. Whether it's a question about a specific mobile project, a bug fix, or optimizing configurations, the company can get fast support from the people who know the products best.

“The Guardsquare team is helpful and very responsive,” added their CTO.

Together, Guardsquare and this company are keeping Vietnam's mobile users secure at the speed of the modern economy—a great way to pay it forward on secure financial services.

Request a DexGuard or iXGuard demo today

[Request a demo >](#)

Guardsquare is the global leader in mobile application protection. More than 650 customers worldwide across all major industries rely on Guardsquare to secure their mobile applications against reverse engineering and hacking. Built on the open source ProGuard technology, Guardsquare software integrates transparently in the development process and adds multiple layers of protection to Android (DexGuard) and iOS (iXGuard) applications hardening them against both on-device and off-device attacks. With the addition of ThreatCast, its mobile application security console, Guardsquare offers the most complete mobile application security solution on the market today.