

# XiaoNan Li

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Senior Mobile Engineer | Android & iOS Specialist

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## Profile

Security-aware and performance-driven mobile engineer with 9+ years of experience building high-quality apps across Android, iOS, and Flutter platforms. Skilled in delivering secure, scalable applications with a deep understanding of Android internals, Flutter app hardening, and malware defense strategies. Adept at debugging, obfuscation, and mitigating compliance risks in complex mobile environments.

## Technical Skills

- Languages/Frameworks: Kotlin, Java, Swift, Dart, Flutter, BLoC
- Security: ProGuard, R8, DexProtector, anti-debugging, app obfuscation, code encryption, virus/malware analysis (VirusTotal, Tencent Hubble)
- Tools: Android Studio, Xcode, Firebase, Git, SourceTree
- Testing: JUnit, Espresso, Mockito, XCTest, XCUITest
- Other: REST APIs, Firebase Auth, Crashlytics, GraphQL, Stripe, Keycloak

## Work Experience

### Senior Mobile Engineer

SeniorPlace | May 2021 – Mar 2025

- Led mobile security enhancements across Android and Flutter apps, including ProGuard/R8 configurations and DexProtector-based APK strengthening.
- Addressed APK virus reports through static analysis and resolution workflows involving VirusTotal and Tencent Hubble.
- Implemented Flutter code obfuscation, anti-debugging measures, and secure data storage practices to align with mobile security compliance.
- Analyzed third-party SDK behaviors and mitigated privacy risks via code review and refactoring.
- Developed scalable apps using Jetpack Compose and SwiftUI with full test coverage.

### Software Engineer

Gym Launch Secrets, LLC | Jul 2018 – May 2021

- Refactored Android and iOS codebases for performance, stability, and improved security.
- Managed APK hardening tasks, integrating R8 and ProGuard for obfuscation, shrinking, and resource encryption.
- Diagnosed and resolved Android virus false positives with Tencent Hubble and VirusTotal checks.
- Rewrote Objective-C legacy code into Swift with secure architecture and testing.
- Implemented secure communication between app and server, following best practices for token storage and transport.

### Mobile Engineer

Northgate Digital | Dec 2014 – Jun 2018

- Refactored core e-commerce app with improved performance and 99.9% crash-free sessions.
- Wrote reusable Kotlin code and integrated secure REST API endpoints.
- Covered most app features with automated test cases and collaborated closely with QA.

### Mobile Engineering Intern

Northgate Digital | Jan 2014 – Nov 2014

- Supported Android UI development with secure and modular screen flows.
- Customized widgets and views, contributing to bug-fixing and enhancements.

### Education

Bachelor of Computer Science, Tsinghua University 2010 – 2014