

Top 5 Mobile App Security Breaches of 2023

The biggest hack of 2023 was not a single incident but a rolling wave of software supply-chain attacks

spawned by the MOVEit file transfer software vulnerability. **Progress**[®] So far, more than 2,000 organizations including financial



services businesses, healthcare companies, educational institutions, airlines and government agencies have been attacked and the breach has affected more than 65 million victims and counting¹.

While the MOVEit breach dominated the headlines in 2023, many businesses also exposed themselves to financial and reputational damage via security and privacy gaps in their mobile apps. Attackers increasingly targeted loyalty and rewards programs by launching automated exploits. In other cases, mobile app developers carelessly hardcoded credentials or misconfigured databases, leading to sensitive data exposure.

In fact, NowSecure benchmark analysis finds more than 85% of mobile apps are vulnerable to security and privacy risks. What follows are notable mobile application security and privacy incidents that plagued prominent brands in 2023.

More than

of mobile apps are vulnerable to security and privacy risks²

OyeTalk | February 2023 A database misconfiguration in the Android voice chat app **OyeTalk** leaked unencrypted sensitive data, including IMEI numbers. The app also exposed hardcoded secrets.³

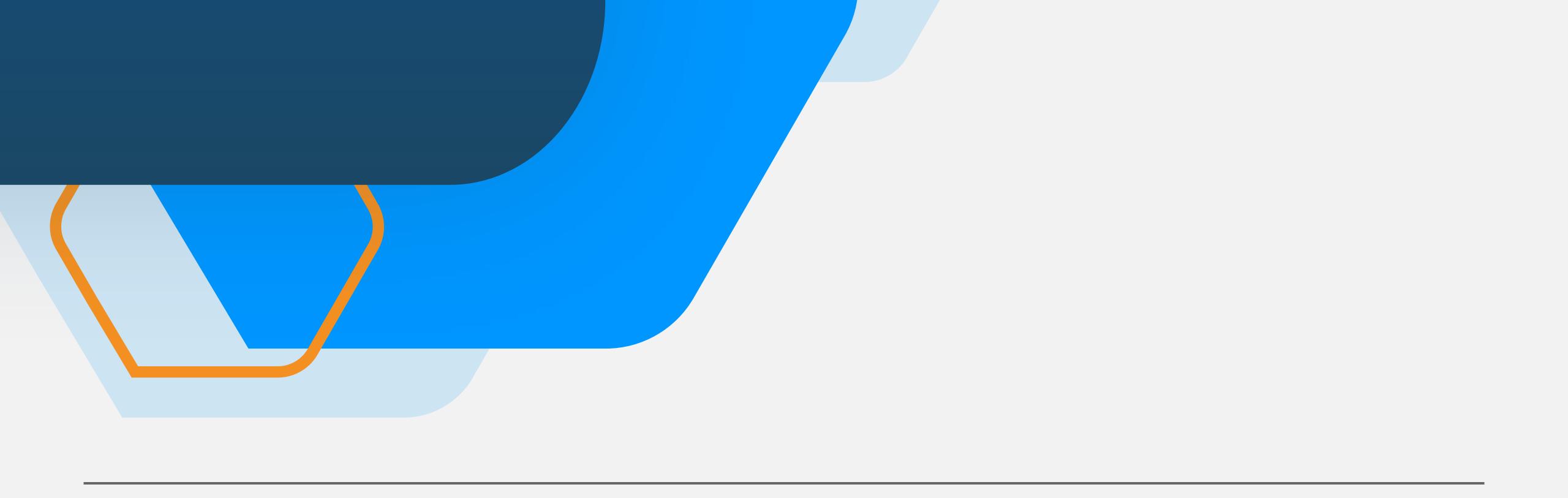
Chic-fil-A | March 2023 More than 71,000 Chic-fil-A restaurant customer accounts were hacked via credential stuffing attacks against the company's mobile and web apps resulting in unauthorized transactions and exposure of sensitive information.⁴

Shein March 2023 Microsoft researchers discovered that an older version of the fast fashion retailer Shein app accessed the clipboard on Android devices and transmitted the contents to a remote server.⁵

Hot Topic August 2023 The Hot Topic mobile app retailer fell victim to a credential stuffing attack that revealed customers' Rewards account and other personal information.⁶

Universal TV

Remote Control November 2023 A Firebase misconfiguration in the Universal TV Remote **Control** Android app could potentially leak the data of its 100 million users.⁷



¹CSO Online, "<u>SEC to investigate Progress Software over mass MOVEit hack</u>," Oct. 12, 2023 ²NowSecure, "<u>NowSecure MobileRiskTracker</u>," December 2023 ³TechRadar, "<u>This top Android chat app was leaking data everywhere</u>," Feb. 23, 2023 ⁴BleepingComputer, "<u>Chick-fil-A confirms accounts hacked in months-long 'automated' attack</u>," March 2, 2023 ⁵SC Media, "Microsoft discovers Shein app accessing Clipboard on Android devices," March 7, 2023 ⁶Dark Reading, "<u>Hot Topic Apparel Brand Faces Credential-Stuffing Attack</u>," Aug. 2, 2023 ⁷CyberNews, "Popular Android apps with 142.5 million collective installs leak user data," Nov. 15, 2023

Safeguard Your Brand

Maintain customer trust by ensuring the mobile apps you build and use meet security and privacy requirements. See how your app stacks up to others by obtaining a free NowSecure mobile application security and privacy assessment.