

Quokka

Q-mast CASE STUDY

# Q-mast for Banking



## Q-MAST Solution Spotlight: **Banking**

Global financial institutions **trust Q-MAST** to keep mobile apps safe, secure, and compliant. **Here's why.**

### The Need:

Ensure the security and privacy of customers, employees, and the organization at large.

Consumers increasingly use their personal mobile devices (such as iPads and other tablets) to bank, invest, and manage their financial affairs. According to Forbes, 95% of Gen Zers, 91% of Millennials, 85% of Gen Xers, and 60% of Baby Boomers use a mobile device as their primary point of engagement. These devices, as well as the applications they host, create a complex security-privacy environment where critical financial assets are at stake. As more customers use mobile devices to bank worldwide and every phone becomes a branch, the need for increasingly sophisticated and proactive security solutions grows in lockstep.

Fortunately, as your new digital security and privacy partner, Quokka has you covered. We've worked with leading financial institutions worldwide to proactively, robustly, and intelligently perform thousands of application scans per month. Our leading mobile app scanning technology is born from military-grade IP, used to help protect Fortune 500 companies worldwide and some of the world's top banks, Quokka is a powerful force for protecting client assets.



### The Solution:

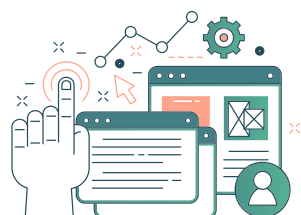
When your mobile app is your livelihood, secure it with Q-MAST



Q-MAST offers app development teams within financial institutions an advanced analysis engine that digs deeper and tests more thoroughly than any other MAST solution in the market. **The industry's most demanding customers trust Q-MAST's superior technical capabilities and flexible deployment to deliver the fastest time-to-value possible.**



Originally developed for the US Department of Defense – and selected by CISA as the standard for all federal agencies – **Q-MAST meets specific security and privacy concerns held by financial institutions.**



Financial applications frequently leverage broader device functions (camera, microphone, GPS, etc) that require multiple permission levels, and facilitate app-to-app interactions. For instance, a customer scanning a mobile check for deposit creates a connection between the mobile banking and phone camera app, creating multiple potential points of vulnerability. **Customers may also connect their primary banking application to transactional apps like Zelle, Venmo, or CashApp, giving external apps access to account information and contacts which adds potential exposure points.**

That's why Q-MAST uses static analysis, dynamic analysis and Forced Path Execution, testing all entry and exit points within a set of applications.

- Each application tested offers a full Software Bill of Materials, negating the possibility of supply chain attacks.
- Using the Watchlist feature, these protocols are executed automatically every time an application in the ecosystem is updated, allowing automated tracking of every update.

**Easy Integration:** Ensuring airtight security for millions of customers is no small task, requiring in-house and external security teams to work together elegantly. Tomorrow's mobile security and privacy solutions must play nicely in the proverbial DevSecOps sandbox. They must interact automatically, efficiently, and intelligently with existing vulnerability management systems and broader data lake systems.

That's why Q-MAST is built to work better alongside leading software development tools. Q-MAST integrates easily with leading platforms such as:

**GitHub**

 **GitLab**



 **OPENAPI**  
INITIATIVE

## Real-World Results:

How Q-MAST has helped leading **financial institutions** stay proactive and achieve peace of mind.

- Create an OpenAPI-based, closed-loop reporting system capable of automatically importing security and privacy issues into a vulnerability management system
- Automate deployment of corresponding solutions to distributed development teams for integration into broader DevSecOps environments
- Ensure efficient, productive communication between multiple security teams within a large organization
- Implement continuous testing at all phases of the SDLC to receive security alerts as quickly as possible
- **Speed:** Rapid onboarding of a large mobile app portfolio, executed across multiple in-house or external development teams and responsible security team(s)
- **Efficiency:** Improved security testing suite coverage with less manual effort required, improving efficiency
- **Ease of Use:** Designed with usability in mind, our portal reduces the need for training and accelerates the onboarding process.
- **Confidence:** Proactive risk mitigation to reduce the possibility of customer and/or organizational exposure

## Get Started with Q-MAST

Quokka is making the world of mobile security and privacy more positive, proactive, and conducive to peace of mind. Now, we'd love to **help you**.