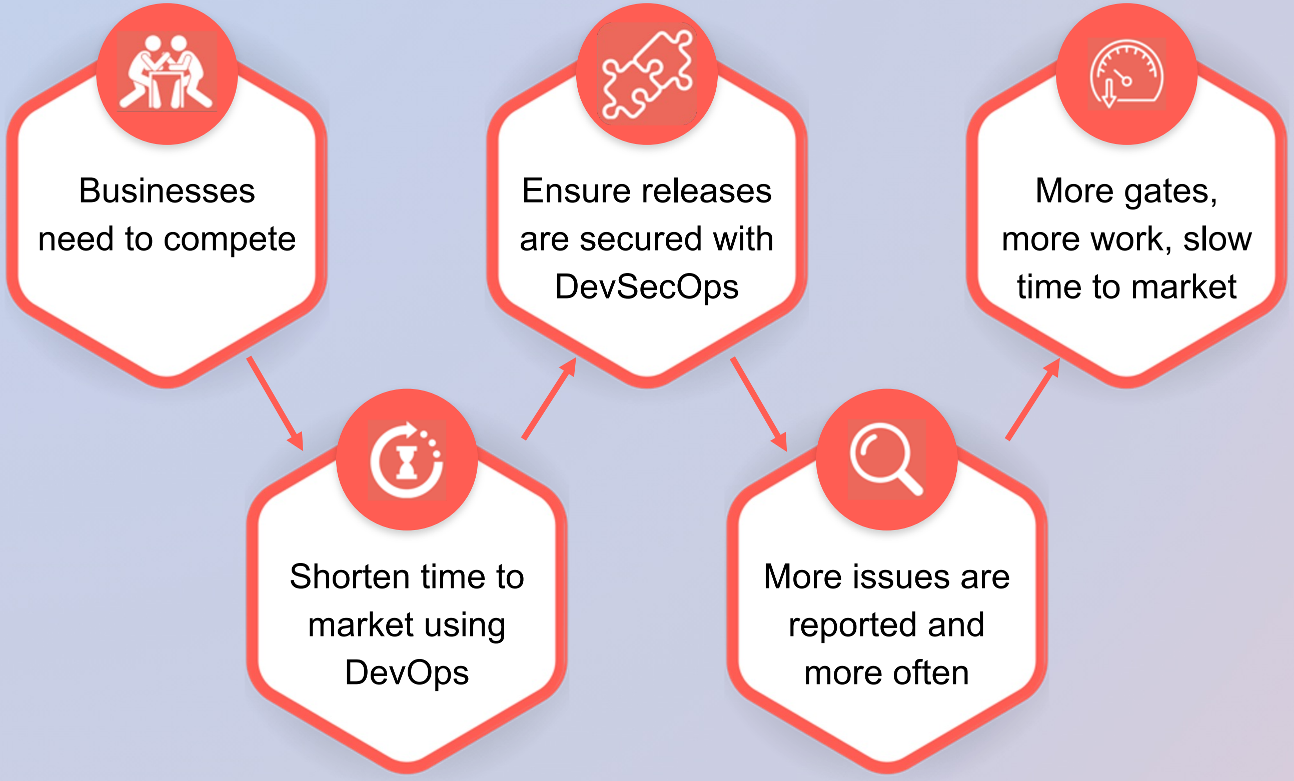
mobb | Winner
Black Hat 2023
Innovation Spotlight Competition

MOBB.AI - Automated Security Fixes You Can Trust

Present DevSecOps Slows Down Companies:



Businesses need to compete

Shorten time to market using DevOps

Ensure releases are secured with DevSecOps

More issues are reported and more often

More gates, more work, slow time to market

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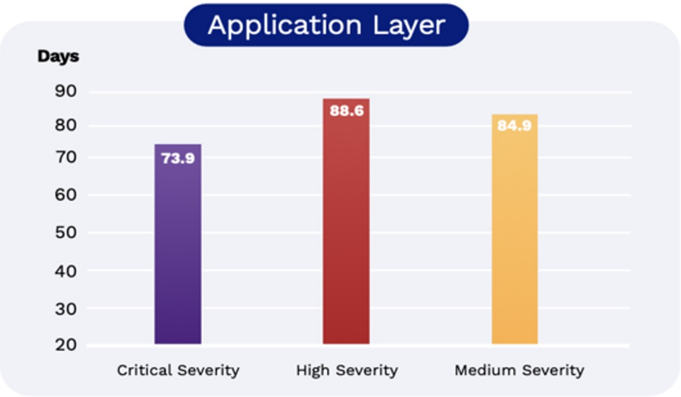
Too Much to Fix, Not Enough Resources

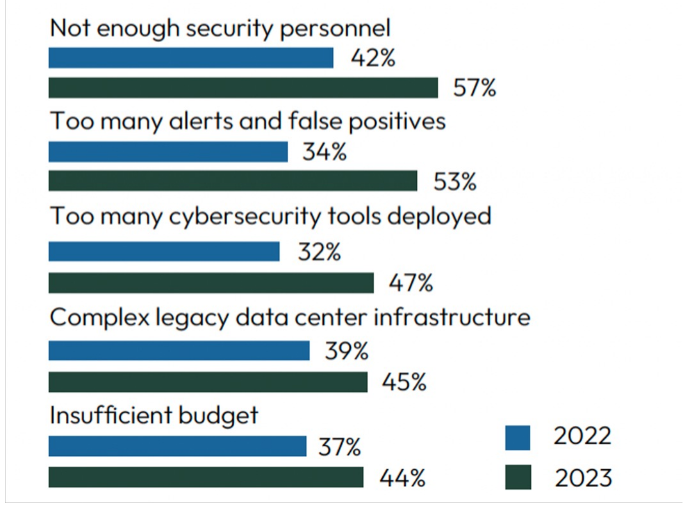
Mean Time to Remediate (MTTR)



Data: edgescan 2023 Vulnerability Statistics Report 8th Edition

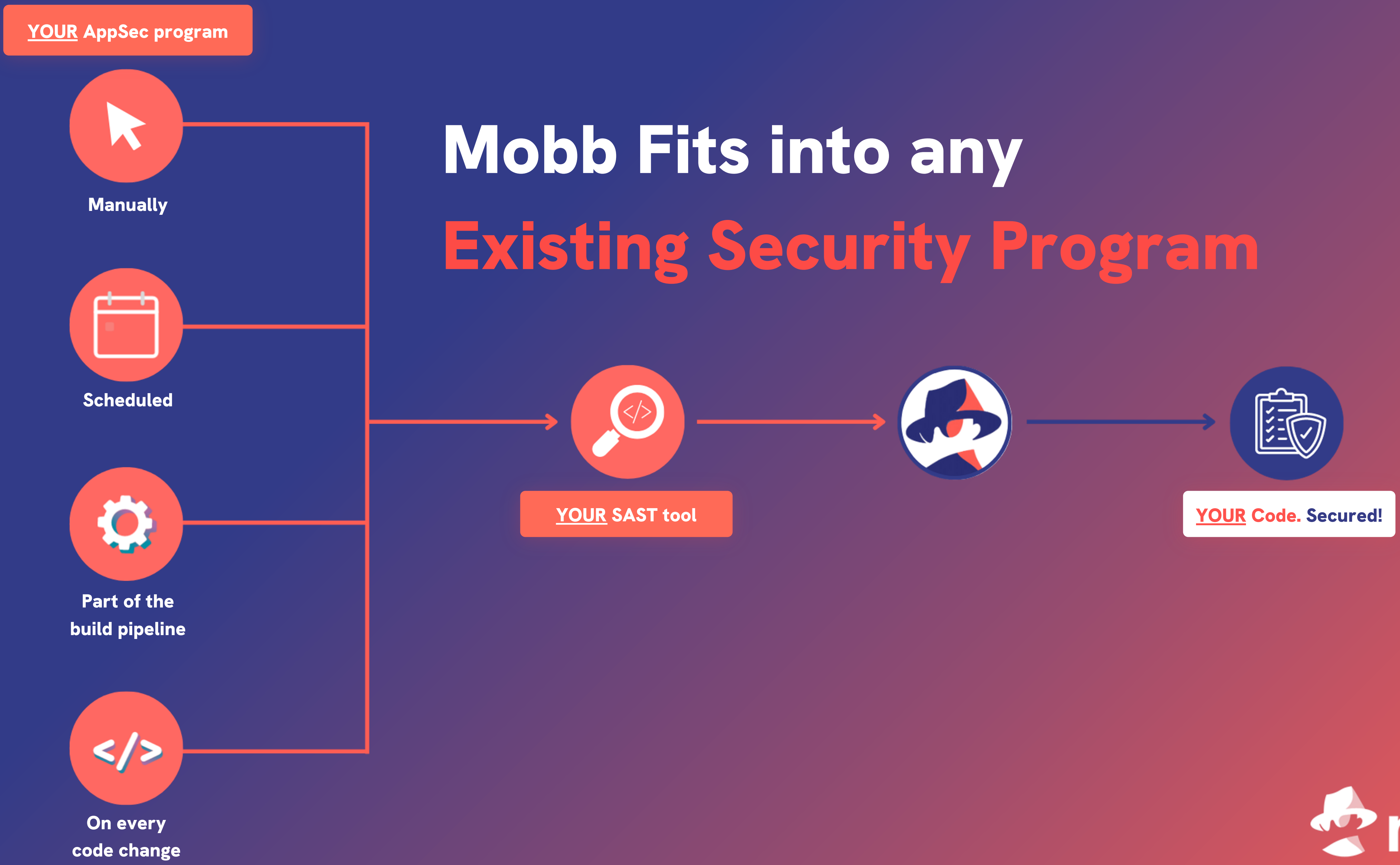
It takes almost 3 months to remediate high severity application vulnerabilities

What are the biggest barriers to achieve your security posture?



Resource shortage and too many alerts are bigger barriers to achieve your security posture over budget.

Mobb Fits into any Existing Security Program



YOUR AppSec program

Manually

Scheduled

Part of the build pipeline

On every code change

YOUR SAST tool

YOUR Code. Secured!

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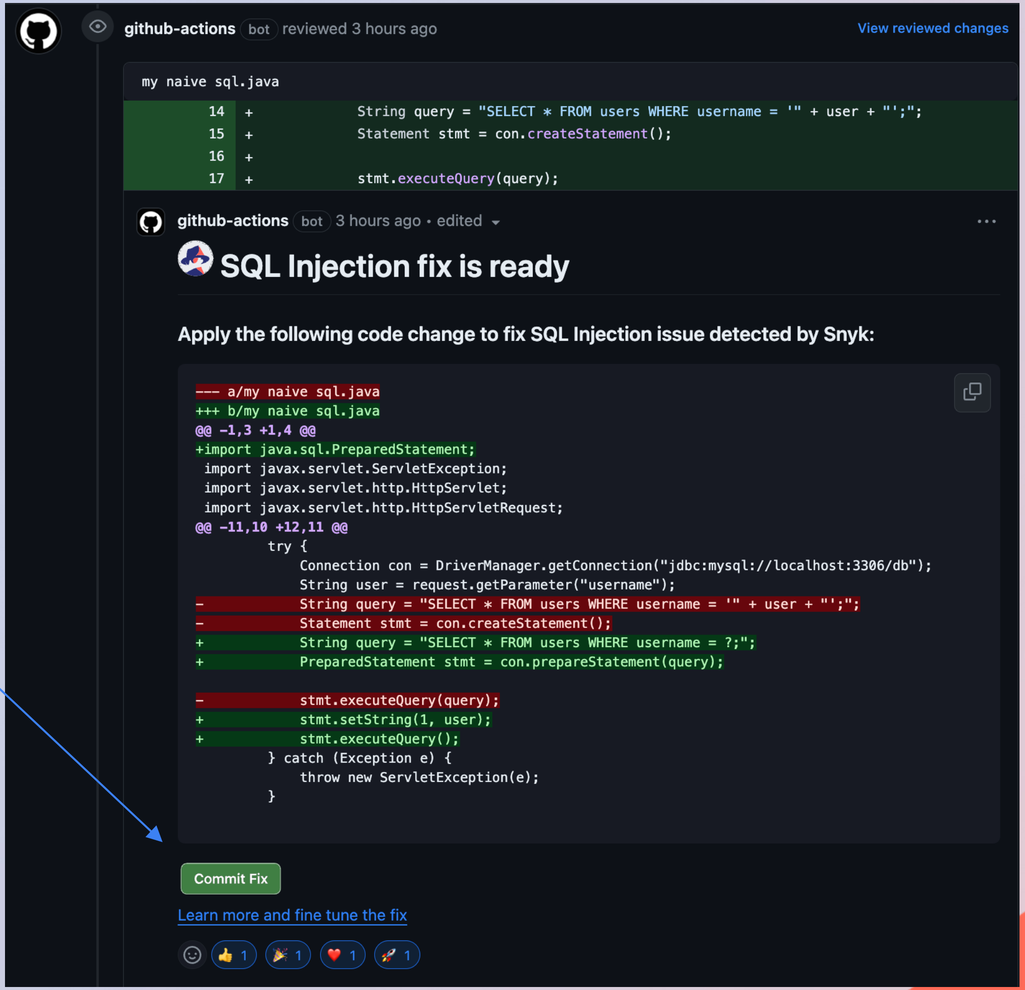
Working with Developers



github-actions bot reviewed 3 hours ago

View reviewed changes

my naive sql.java

```
+        String query = "SELECT * FROM users WHERE username = '" + user + "';";
+        Statement stmt = con.createStatement();
+
+        stmt.executeQuery(query);
```

github-actions bot 3 hours ago • edited

SQL Injection fix is ready

Apply the following code change to fix SQL Injection issue detected by Snyk:

```
--- a/my naive sql.java
+++ b/my naive sql.java
@@ -1,3 +1,4 @@
+import java.sql.PreparedStatement;
 import javax.servlet.ServletException;
 import javax.servlet.http.HttpServlet;
 import javax.servlet.http.HttpServletRequest;
@@ -11,10 +12,11 @@
         try {
             Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/db");
             String user = request.getParameter("username");
-            String query = "SELECT * FROM users WHERE username = '" + user + "';";
-            Statement stmt = con.createStatement();
+            String query = "SELECT * FROM users WHERE username = ?;";
+            PreparedStatement stmt = con.prepareStatement(query);

-            stmt.executeQuery(query);
+            stmt.setString(1, user);
+            stmt.executeQuery();
         } catch (Exception e) {
             throw new ServletException(e);
         }
```

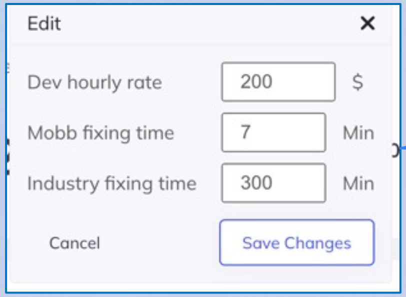
Commit Fix

Learn more and fine tune the fix

Fix for reported vulnerabilities as
part of the PR in One Click

Making the secure path
the EASY path

See the ROI of your Remediation Program

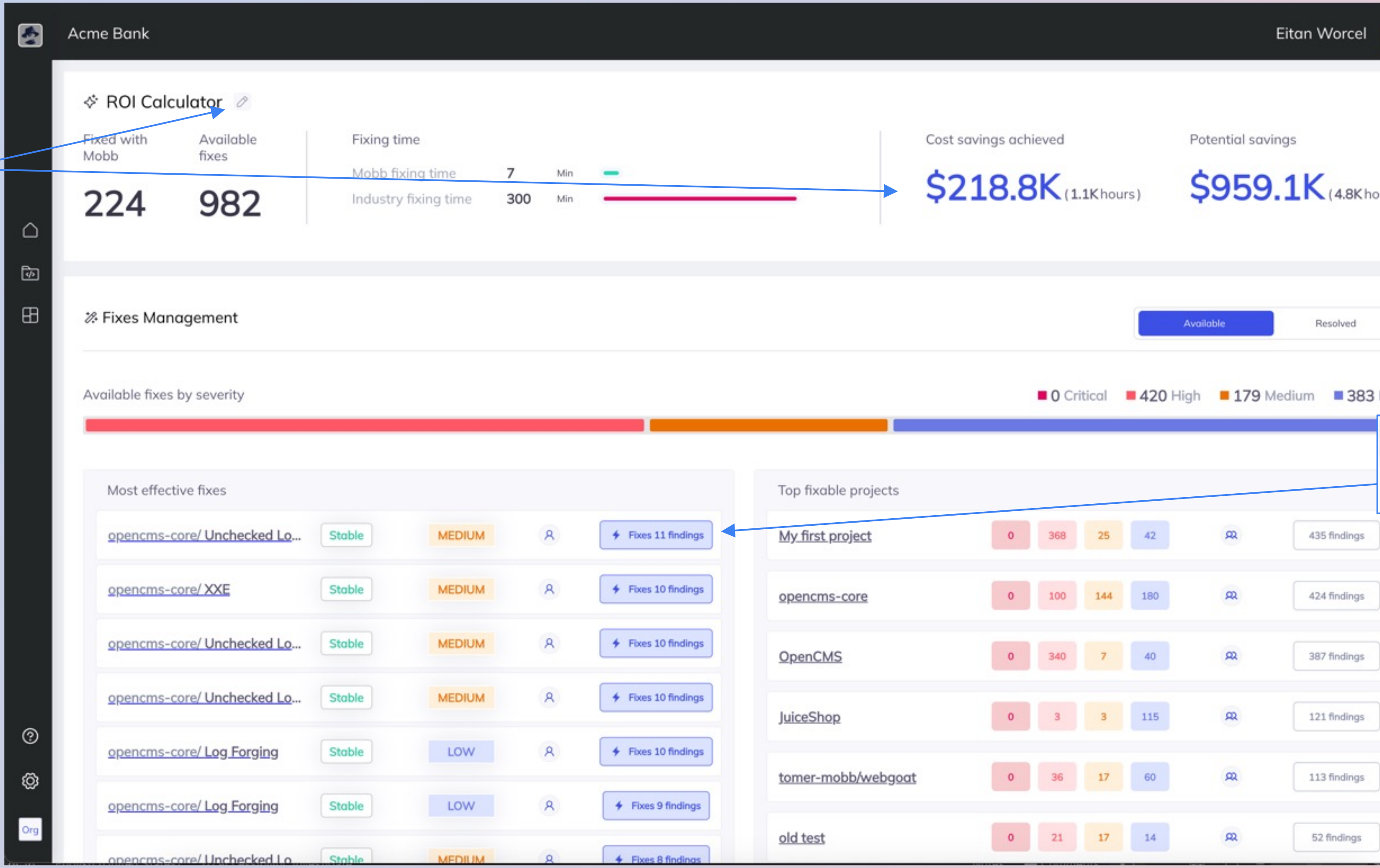


Edit ✕

Dev hourly rate	200	$
Mobb fixing time	7	Min
Industry fixing time	300	Min

Cancel · Save Changes

Adjust the fields to accurately track the ROI for your company



Acme Bank · Eitan Worcel

ROI Calculator

Fixed with Mobb	Available fixes
224	982

Fixing time

Mobb fixing time	7	Min
Industry fixing time	300	Min

Cost savings achieved: $218.8K (1.1K hours)

Potential savings: $959.1K (4.8K hours)

Fixes Management

Available · Resolved

Available fixes by severity: 0 Critical · 420 High · 179 Medium · 383 Low

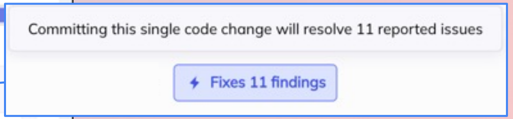
Most effective fixes

opencms-core/ Unchecked Lo...	Stable	MEDIUM	Fixes 11 findings
opencms-core/ XXE	Stable	MEDIUM	Fixes 10 findings
opencms-core/ Unchecked Lo...	Stable	MEDIUM	Fixes 10 findings
opencms-core/ Unchecked Lo...	Stable	MEDIUM	Fixes 10 findings
opencms-core/ Log Forging	Stable	LOW	Fixes 10 findings
opencms-core/ Log Forging	Stable	LOW	Fixes 9 findings
opencms-core/ Unchecked Lo...	Stable	MEDIUM	Fixes 8 findings

Top fixable projects

My first project	0	368	25	42	435 findings
opencms-core	0	100	144	180	424 findings
OpenCMS	0	340	7	40	387 findings
JuiceShop	0	3	3	115	121 findings
tomer-mobb/webgoat	0	36	17	60	113 findings
old test	0	21	17	14	52 findings

Use **Power Ups** to fix multiple findings in one commit`



Committing this single code change will resolve 11 reported issues

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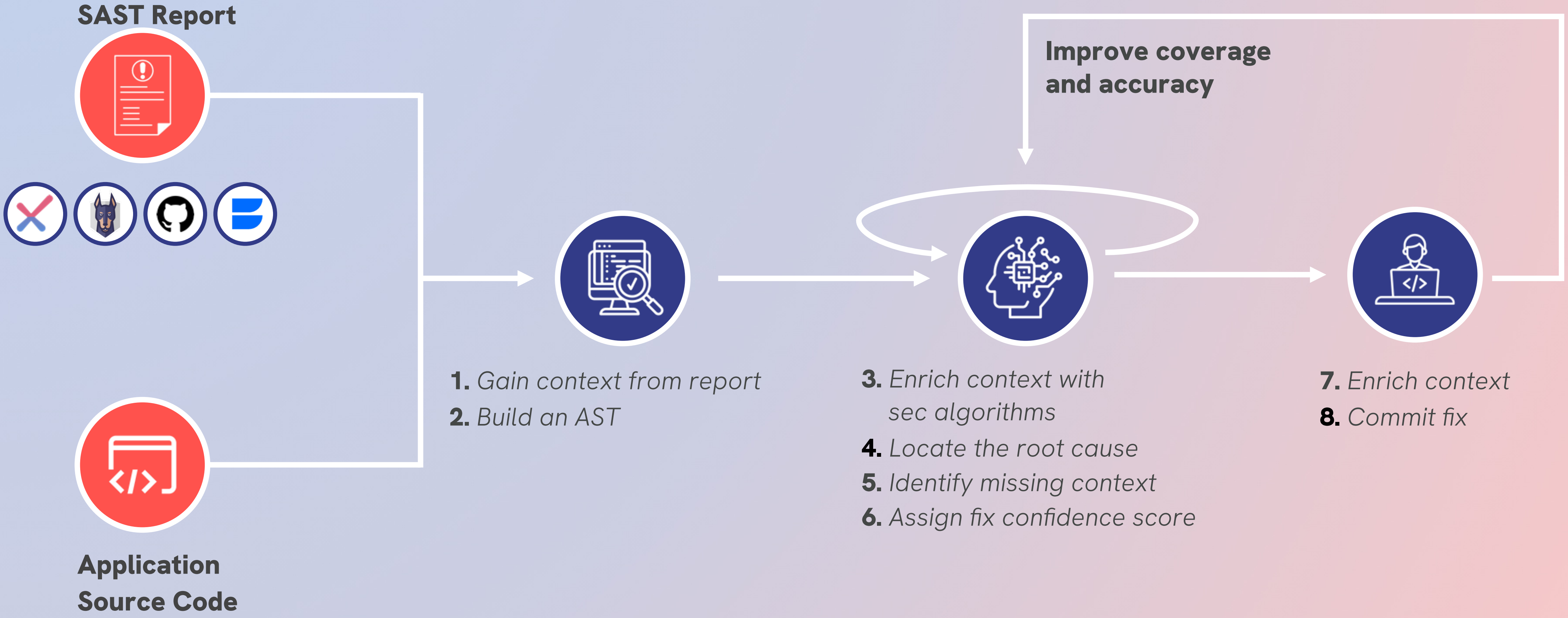
Make the switch from finding to fixing vulnerabilities and from being a cost center to a business enabler

Continuously producing Trusted Fixes



SAST Report

Application Source Code

Improve coverage and accuracy

1. *Gain context from report*
2. *Build an AST*

3. *Enrich context with sec algorithms*
4. *Locate the root cause*
5. *Identify missing context*
6. *Assign fix confidence score*

7. *Enrich context*
8. *Commit fix*

Current Cost & Potential Savings

Rate of non-exploitable findings	75%
Hourly developer cost	$200

	TRADITIONAL SOLUTIONS		MOBB	
	Time (mins)	Cost	Time (mins)	Cost
Triage time	**60**	**$200**	**0**	**$0**
Identify who needs to resolve the issue & open a ticket	**15**	**$50**	**0**	**$0**
Time for fix + review + merge	**300**	**$1,000**	**7**	**$23**
Total	**375**	**$1,250**	**7**	**$23**

FOR A 100 FINDINGS SAST REPORT:

Triaging 100 SAST findings takes 50 hrs + *Fixing 25 exploitable findings takes 100 hrs* = **More than FIVE weeks of work!!**

Time & Cost Saved	**~98%**

A single SAST scan can results in **up to +10,000 findings!**

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Mobb Business Model

Per active developer SaaS subscription

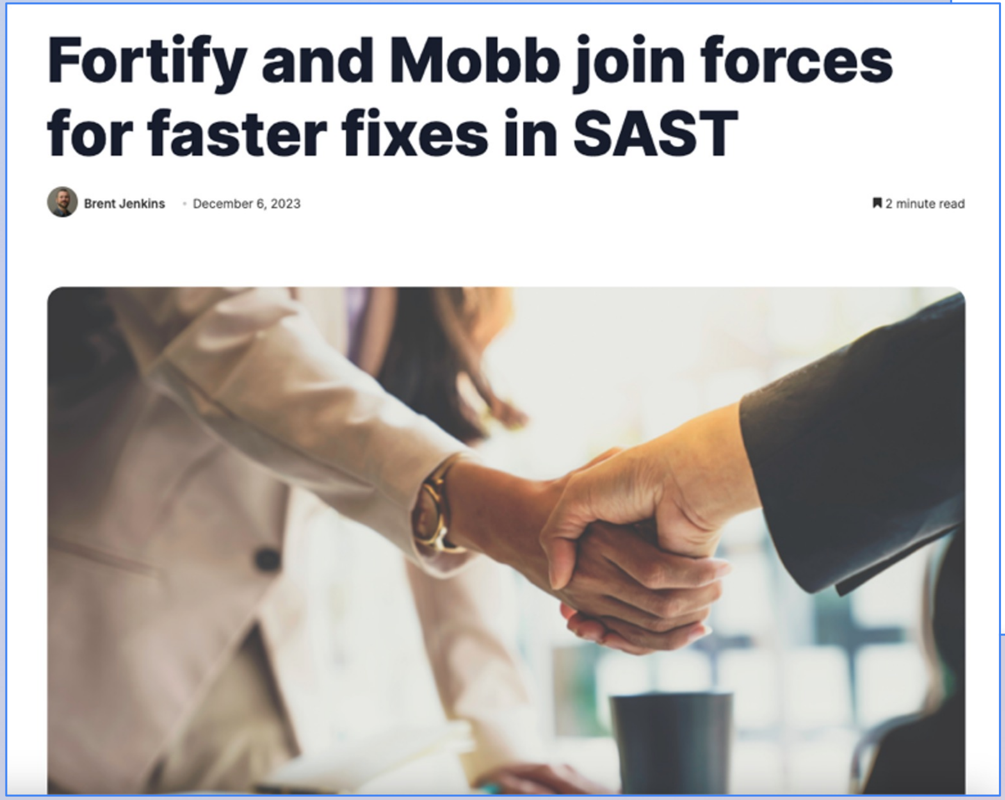
By fixing just one vulnerability per developer on average each month.

Mobb *saves companies over*

$1.3M per 100 developers in direct costs!

**with developer hourly cost of $200*

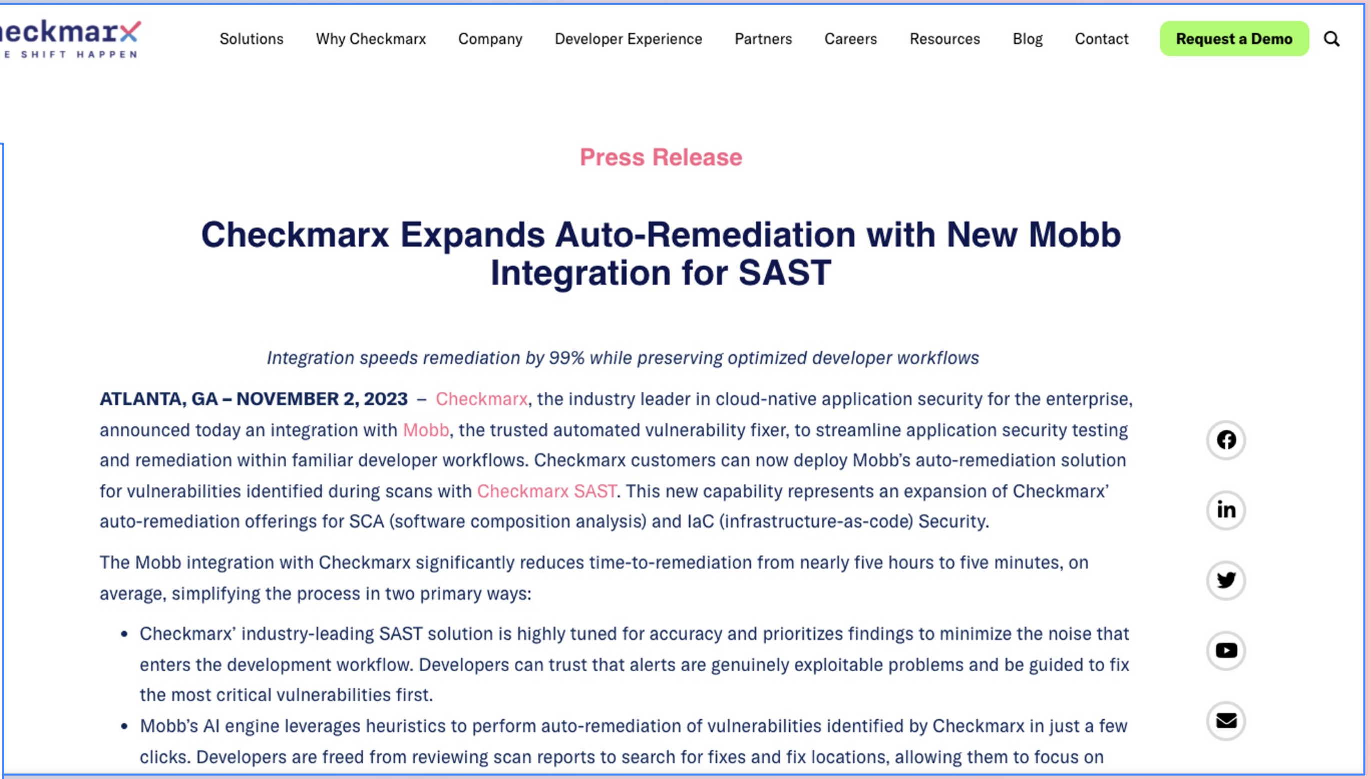
What our Partners are Saying



Fortify and Mobb join forces for faster fixes in SAST

Brent Jenkins · December 6, 2023

2 minute read



Press Release

Checkmarx Expands Auto-Remediation with New Mobb Integration for SAST

Integration speeds remediation by 99% while preserving optimized developer workflows

ATLANTA, GA – NOVEMBER 2, 2023 – Checkmarx, the industry leader in cloud-native application security for the enterprise, announced today an integration with Mobb, the trusted automated vulnerability fixer, to streamline application security testing and remediation within familiar developer workflows. Checkmarx customers can now deploy Mobb's auto-remediation solution for vulnerabilities identified during scans with Checkmarx SAST. This new capability represents an expansion of Checkmarx' auto-remediation offerings for SCA (software composition analysis) and IaC (infrastructure-as-code) Security.

The Mobb integration with Checkmarx significantly reduces time-to-remediation from nearly five hours to five minutes, on average, simplifying the process in two primary ways:

- Checkmarx' industry-leading SAST solution is highly tuned for accuracy and prioritizes findings to minimize the noise that enters the development workflow. Developers can trust that alerts are genuinely exploitable problems and be guided to fix the most critical vulnerabilities first.
- Mobb's AI engine leverages heuristics to perform auto-remediation of vulnerabilities identified by Checkmarx in just a few clicks. Developers are freed from reviewing scan reports to search for fixes and fix locations, allowing them to focus on

What Security Leaders are Saying about Mobb

Ante Gulam

CISO at Travelperk

“Mobb is one of the few companies out there trying to actually fix issues rather than just generate alerts upon them.“

A.

Head of Cybersecurity & technology risk, Fortune 500 online payment system

“this is a game changer... there is no reason for them [developers] not to use it“

Robert Kugler

Head of Security & Compliance at Cresta

“Mobb is taking vulnerability remediation to a completely new level by automating fixes“

N.

VP Application Security, Fortune 100 Bank

“This is bona fide developer wet dream“

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Let’s shift from an industry that focuses on Findings to one focused on Fixing.

Get in touch with us!

in mobbai

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🌐 www.mobb.ai