

## Investigating Ad Fraud

Craig Silverman, BuzzFeed News | @CraigSilverman

REPORTING TO YOU

#### The New York Times

#### Russian Cyberforgers Steal Millions a Day With Fake Sites



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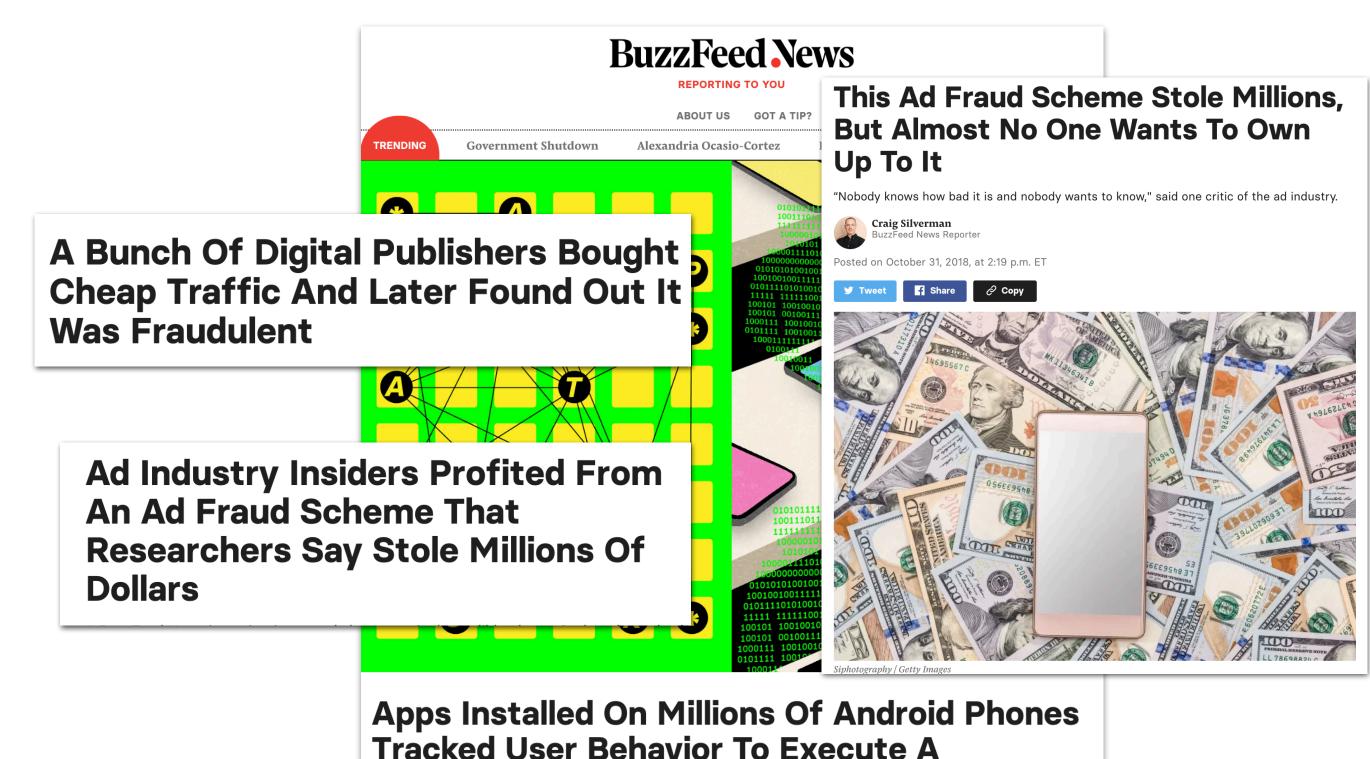
White Ops said the thieves received high prices for the fake ad views, garnering an average price of \$13 per 1,000 video views. Over all, the botnet delivered 200 million to 300 million fake ad views per day and brought in \$3 million to \$5 million in daily revenue, according to the company's analysis.

## \$20 Billion in 2019



## What I've Been Up To

- Almost two years, more than a dozen stories
- More than \$10 million credited back to advertisers
- Dozens of apps and websites removed from the Google Play store or taken down
- One publisher under investigation by the Manhattan District Attorney in New York
- Two letters sent to the Federal Trade Commission by a US Senator
- Too many lies told by publishers, ad tech companies, brands and others to count



**Tracked User Behavior To Execute A Multimillion-Dollar Ad Fraud Scheme** 

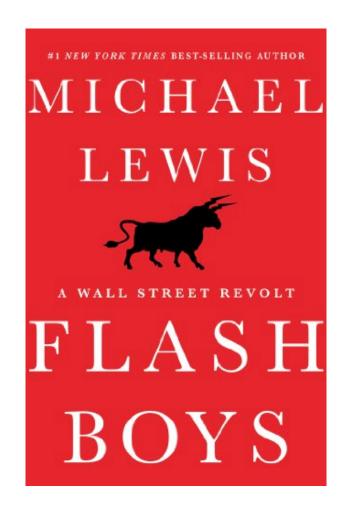
and websites, some of which were targeted at kids.

The Publisher of Newsweek And The **International Business Times Has Been Buying Traffic And Engaging In** Ad Fraud

This Is How Visiting A Porn Site Can Make You A Pawn In An Ad Fraud Scheme

This Giant Ad Fraud Scheme Drained **Users' Batteries And Data By Running Hidden Video Ads In Android** Apps

"The deep problem with the system was a kind of moral inertia. So long as it served the narrow self-interests of everyone inside it, no one on the inside would ever seek to change it, no matter how corrupt or sinister it became."



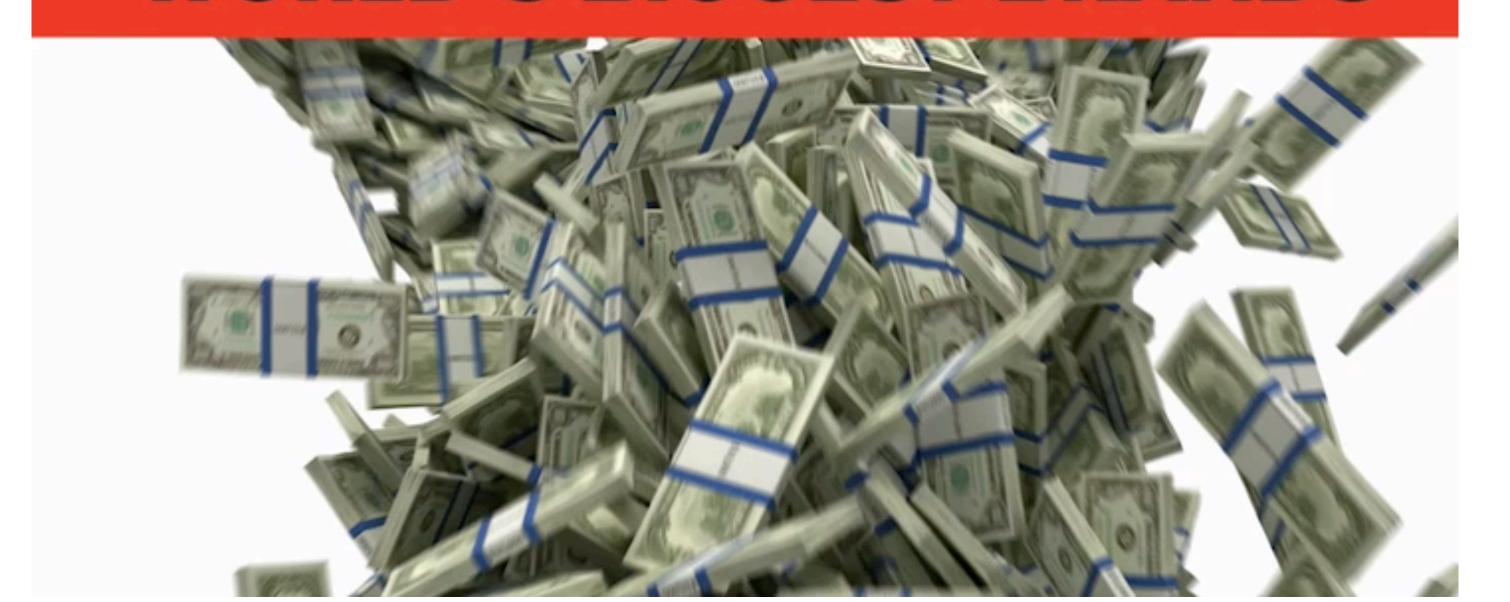
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# Three Stories About Insider Ad Fraud

## Zombie Websites



# "ZOMBIE WEBSITES" HAVE POTENTIALLY STOLEN MILLIONS FROM SOME OF THE WORLD'S BIGGEST BRANDS





BEAUTY

DESIGN FASHION MUSIC

SHOPPING VIDEOS

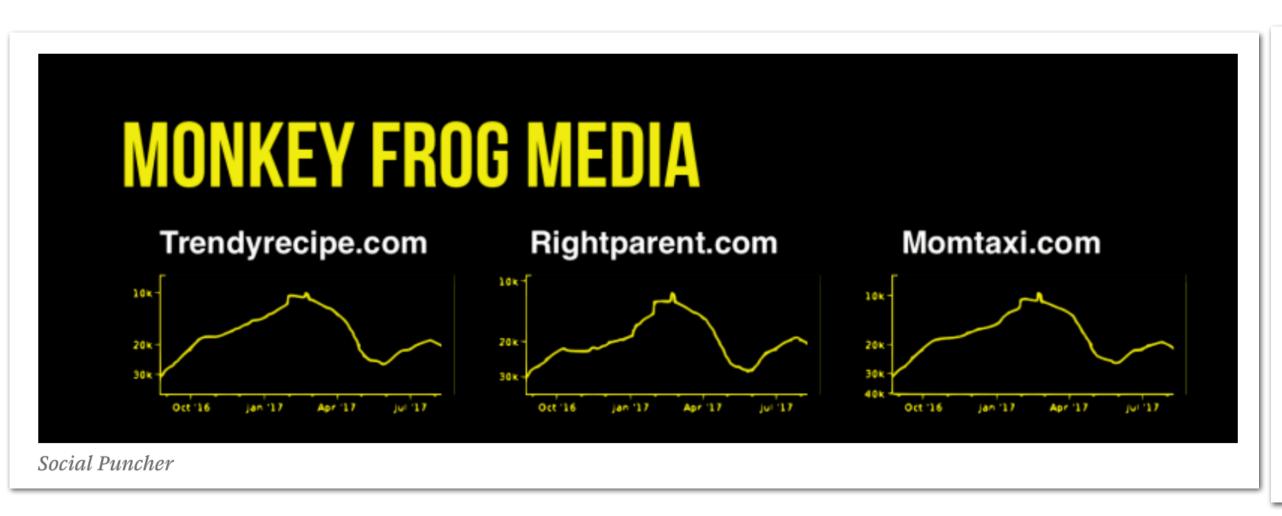


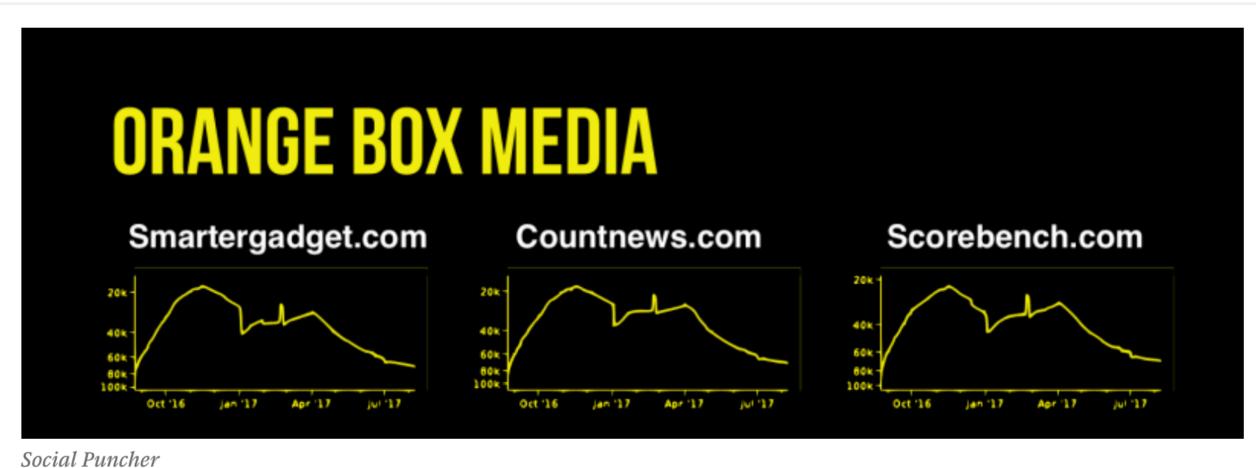
#### KYLIE JENNER'S POST INSTAGRAM POSTS A FASCINATING SELECTION OF SHIRTS

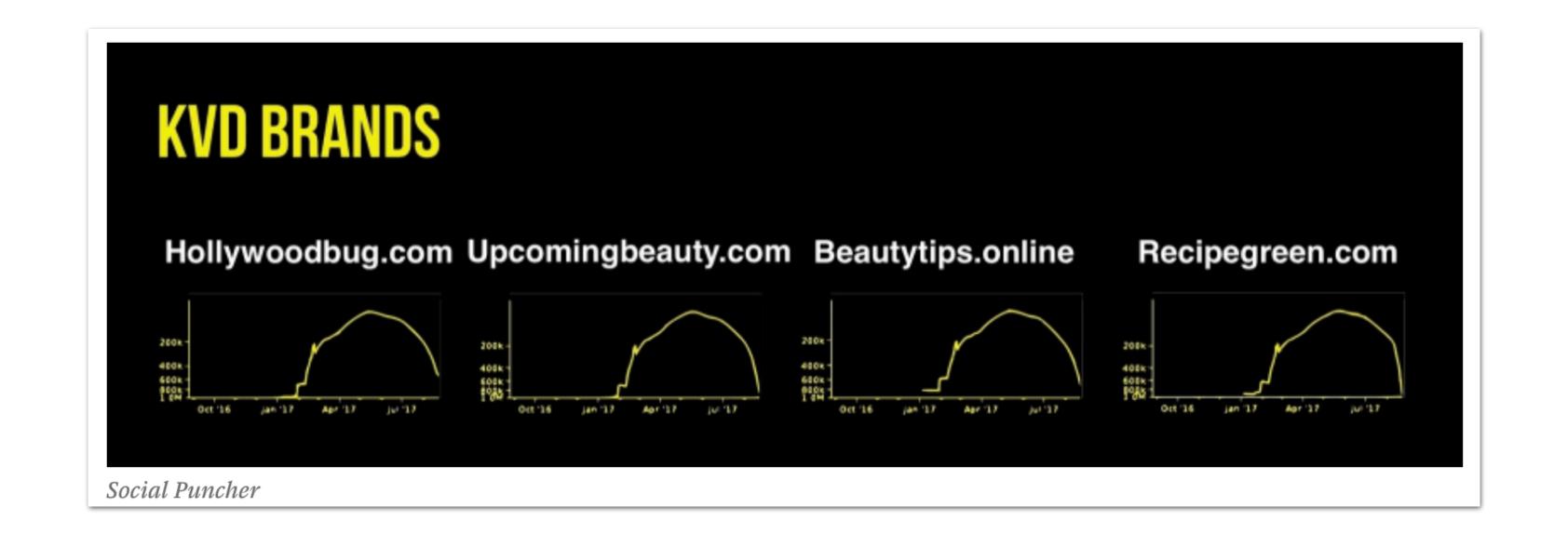
SARA BREWER . OCTOBER 10, 2017

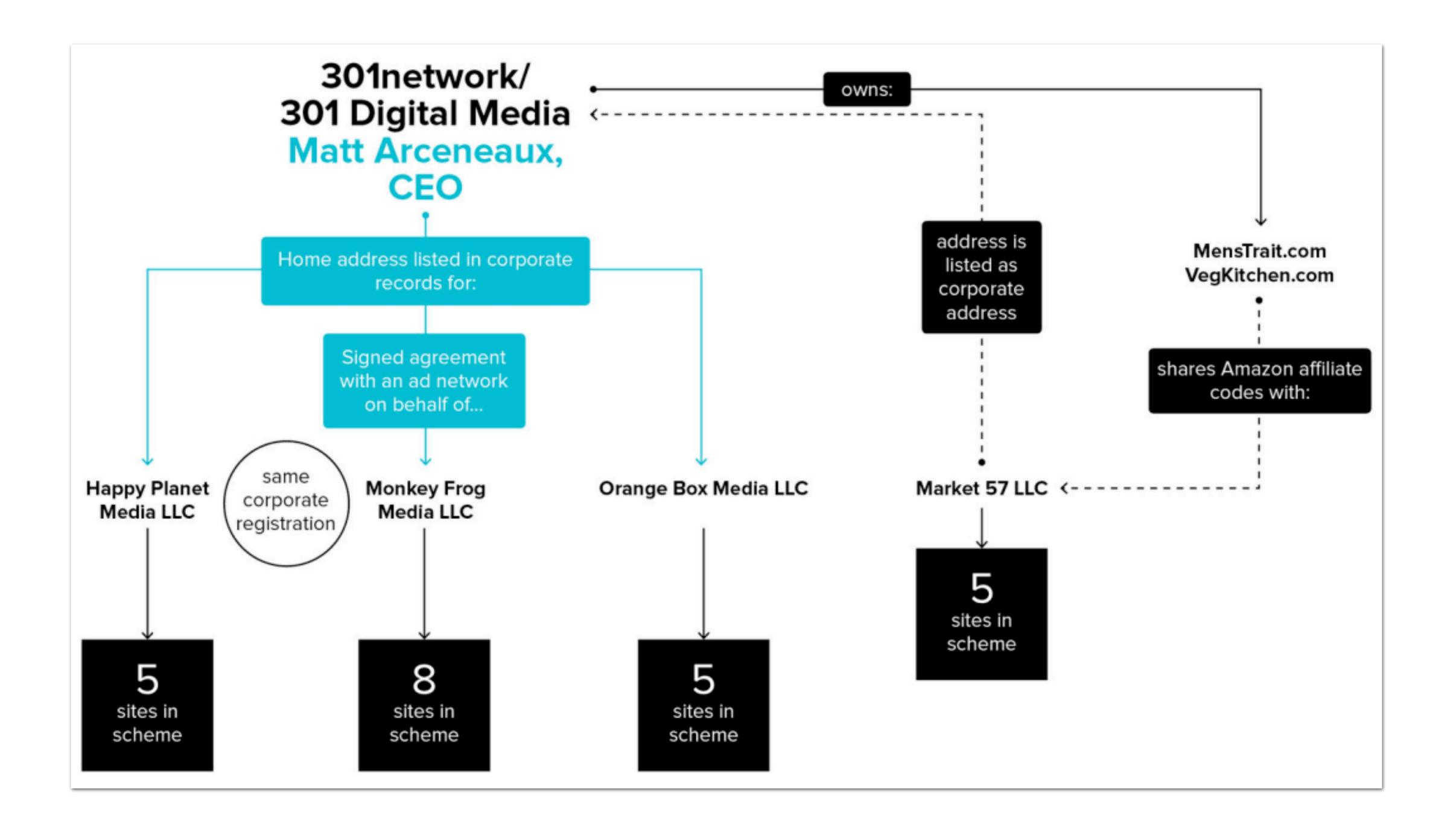
STATEMENTS PARKET SCHOOLSTS

Don't assume rumored baby bump of Kylie Jenner anytime soon. In one of the first non-return photos she posted since her pregnancy was reported, she wears a loose shirt that leaves no trace of what she can keep underneath.









### 100+ AFFECTED BRANDS







ICE BREAKERS

TWIX

mama

Dove

General Mills
Mills
Manage Land
Manage Land

Reset



Nexium 24HR

Allegra

Mucin∈x

XYZAL







GEICO

Prudential











































































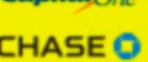


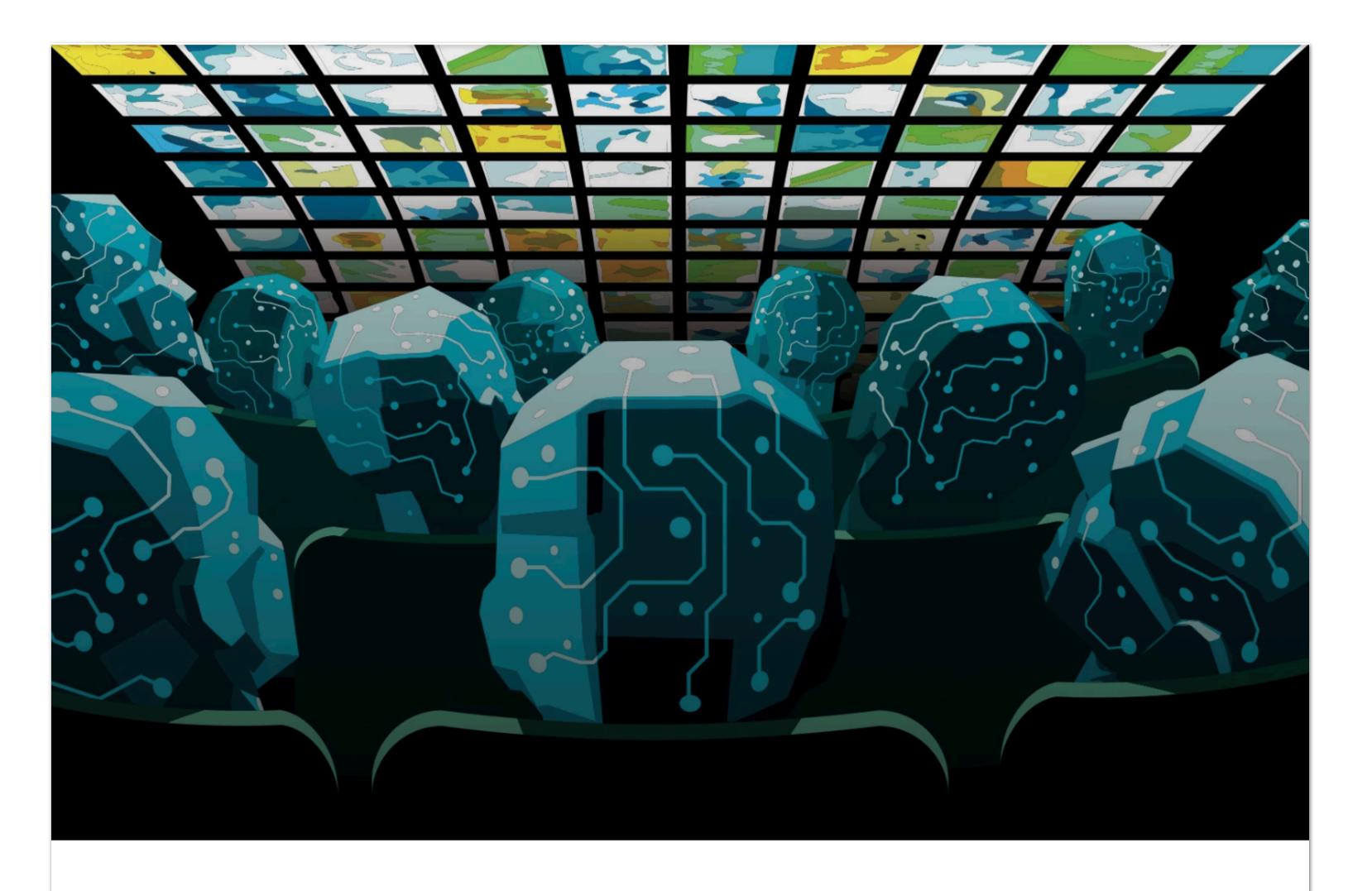


Disney Course Line



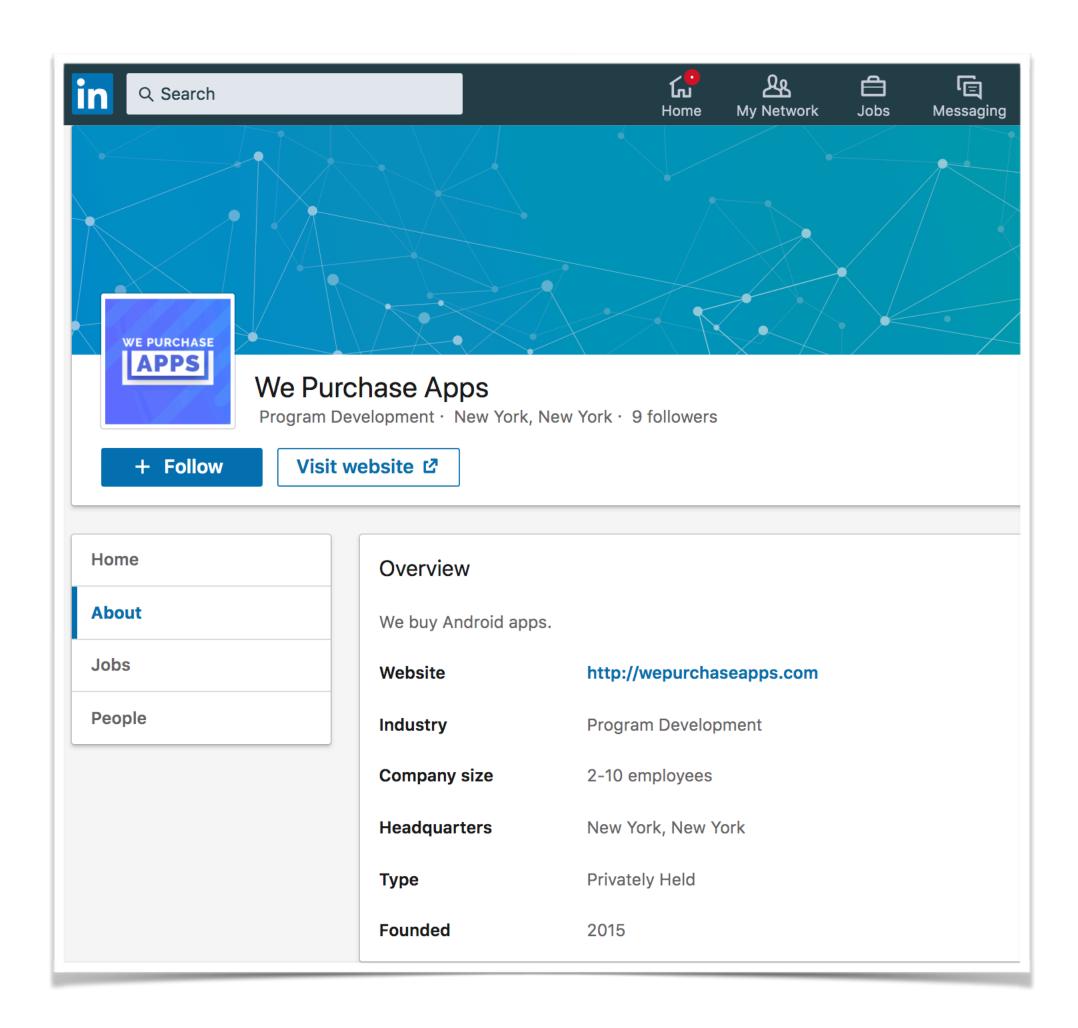






Ad Industry Insiders Profited From An Ad Fraud Scheme That Researchers Say Stole Millions Of Dollars

## Recorded Attack





#### Emoji Switcher (root)

Steven Schoen Tools

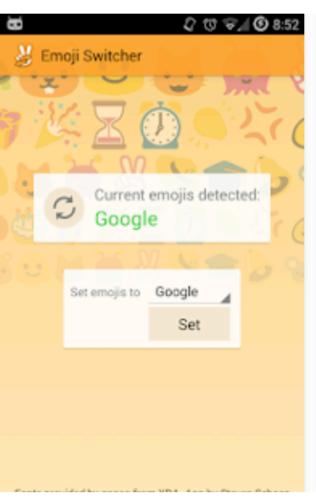
★★★★★ 23,350 ♣

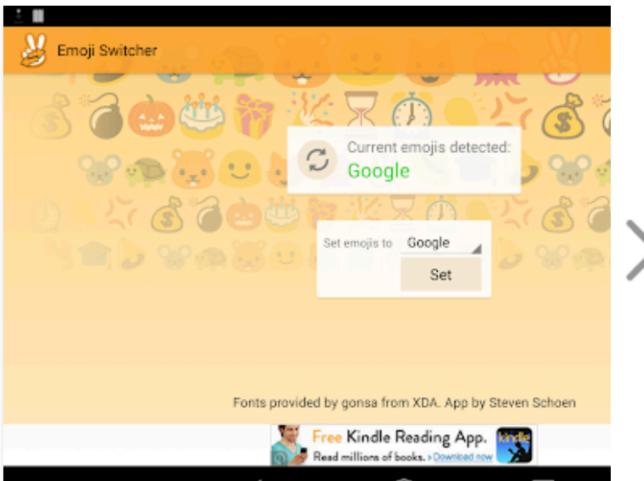


Contains ads · Offers in-app purchases

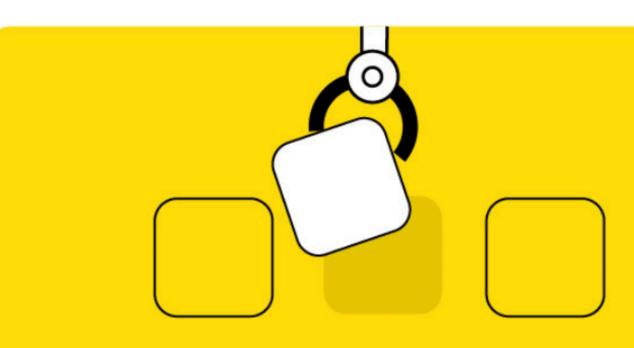
Add to Wishlist

Install





## How This App Fraud Scheme Works



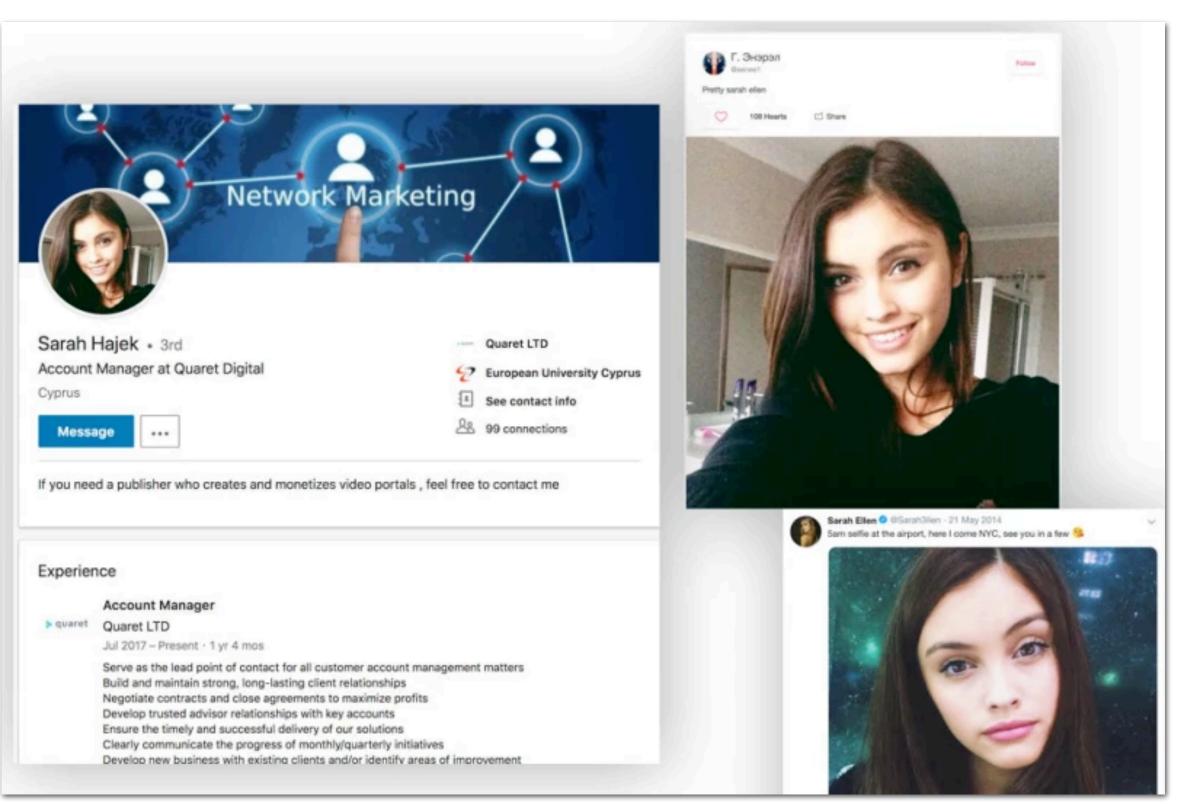
Acquire an Android app that has real users, favorable reviews, and an overall positive reputation

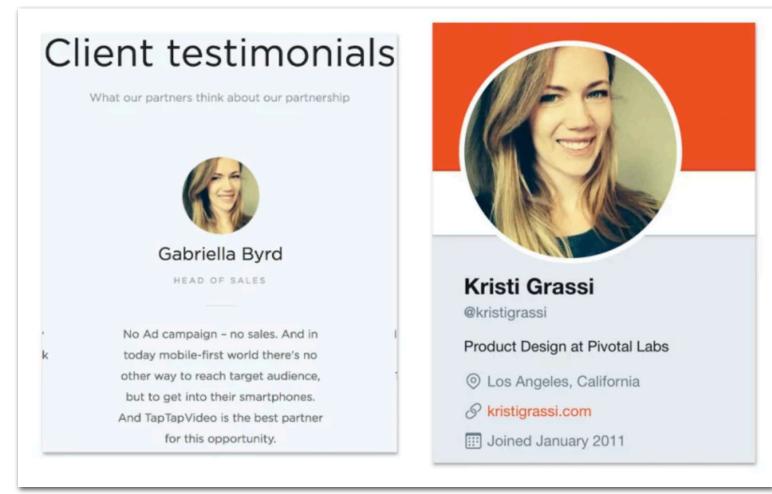


Shift ownership to a shell company to obscure its true ownership and to hide its links to other apps in the scheme

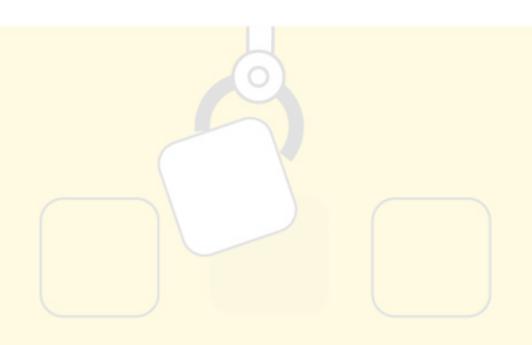
Utilize developer access to the app to analyze the behavior of its existing human audience







#### How This App Fraud Scheme Works

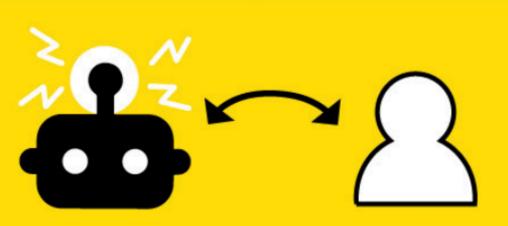


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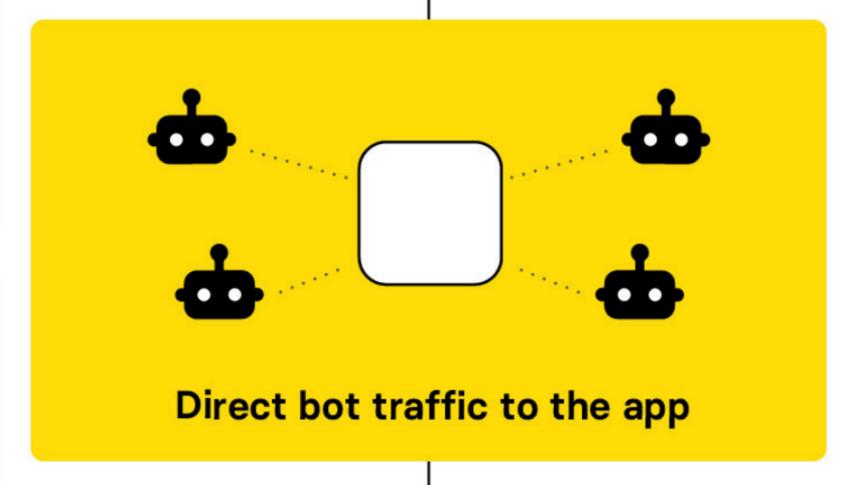


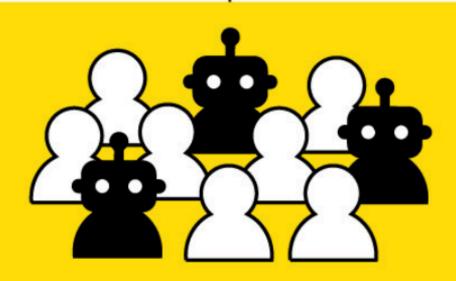
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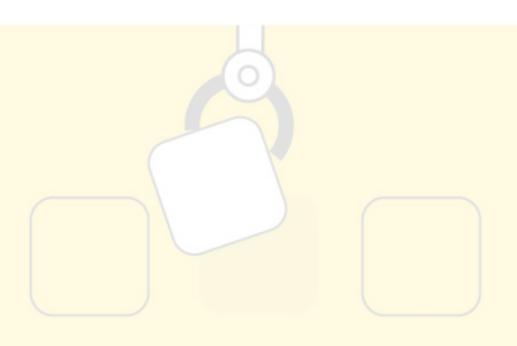
Program that behavior into bots running from dedicated servers so they can mimic the human audience





Blend bot traffic with existing human traffic to disguise it from fraud detection

#### How This App Fraud Scheme Works

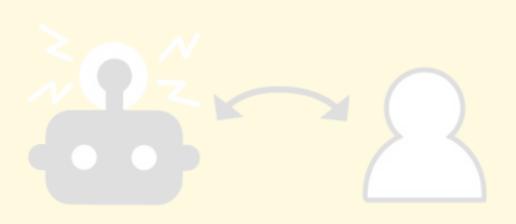


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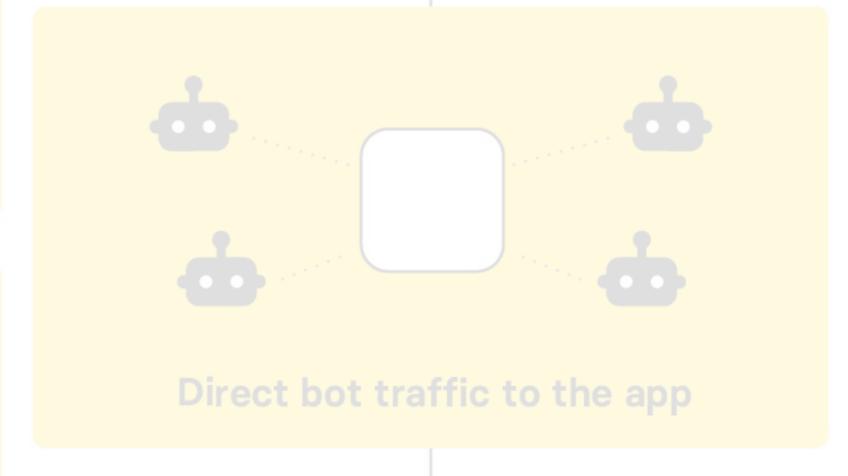


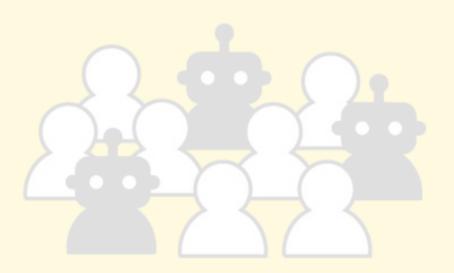
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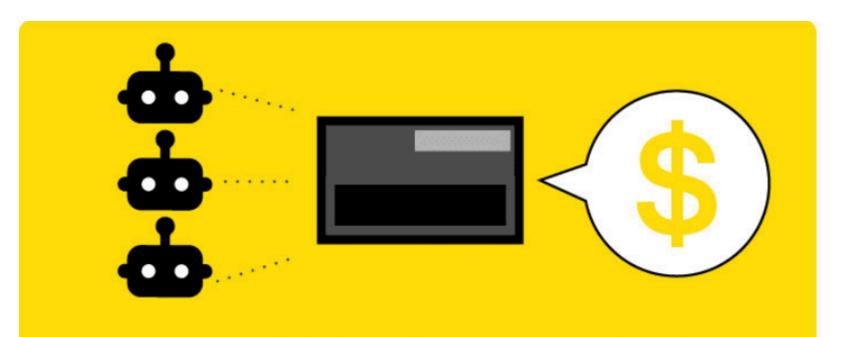


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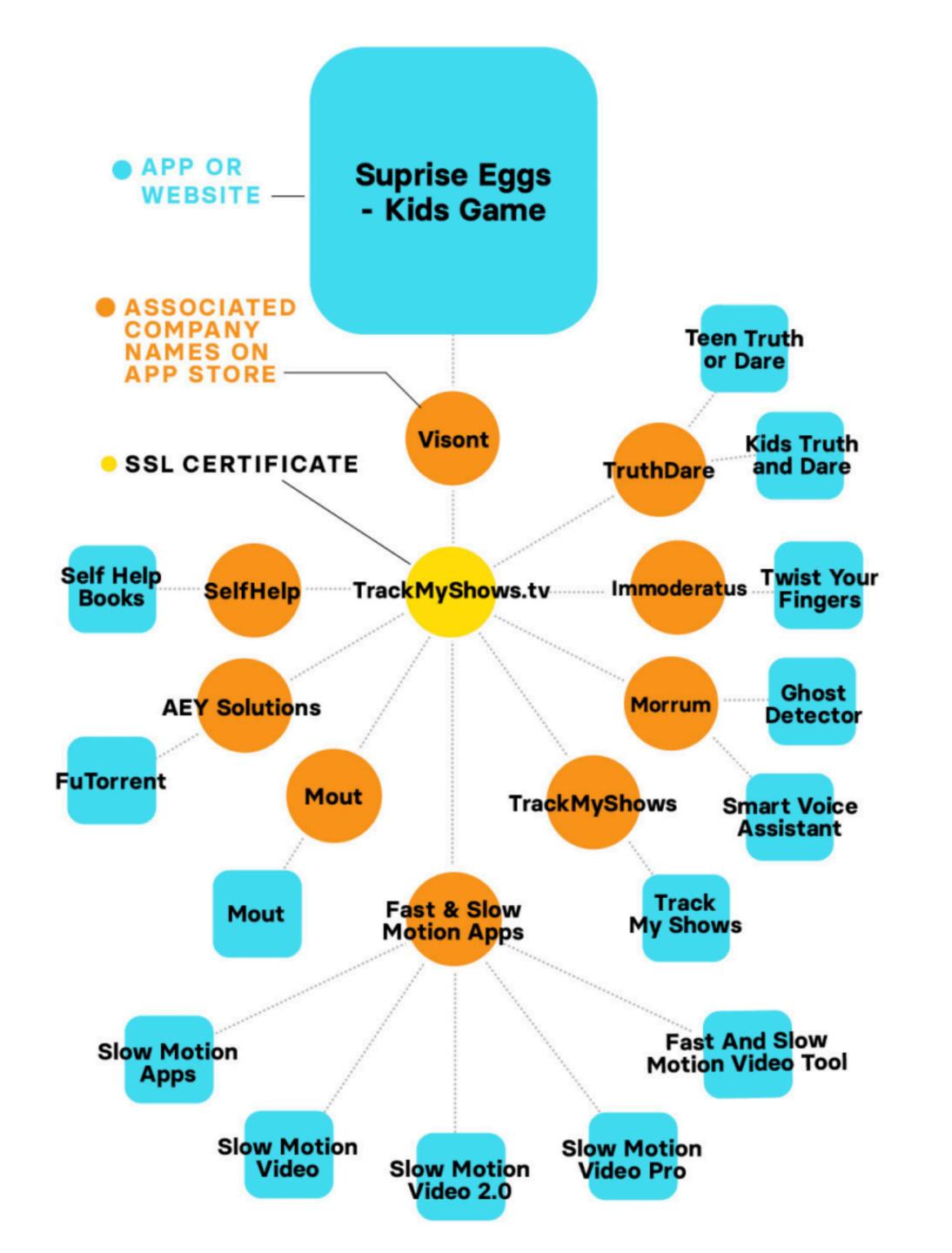


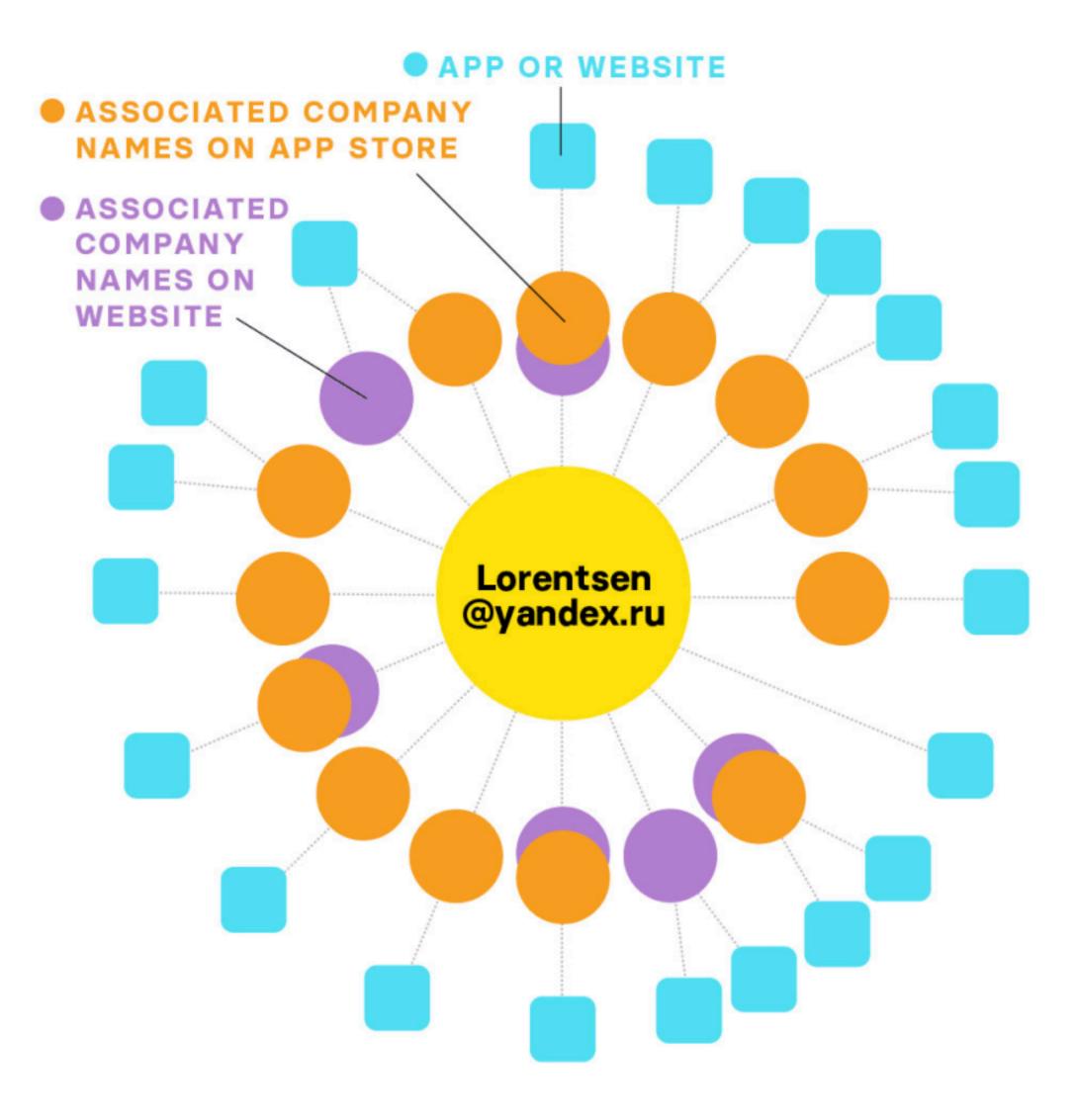
Earn additional revenue thanks

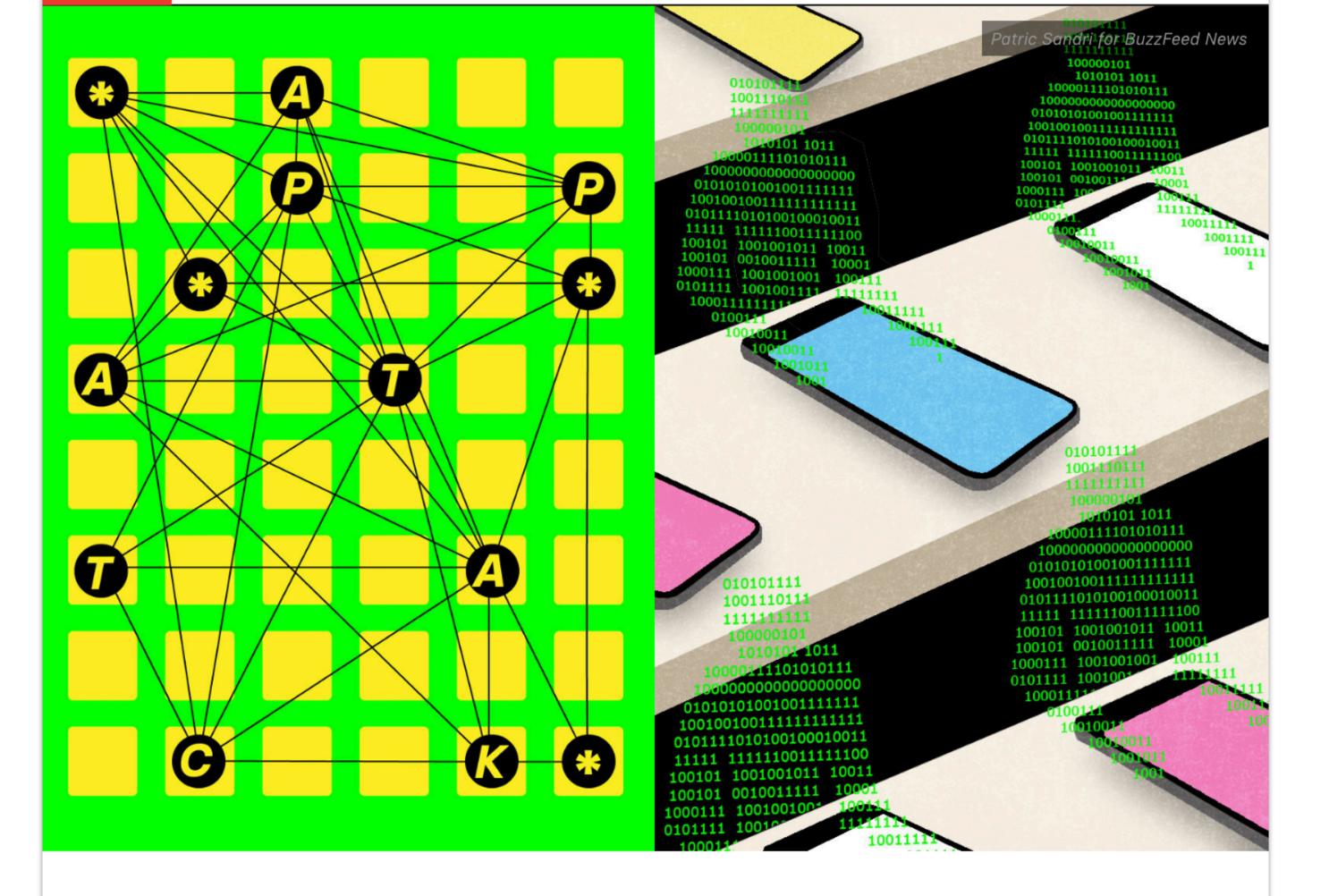
to ads being viewed by bots

"I will explain you the technologies to create traffic on android, how to distribute it, how to sell the created traffic, the business structures needed, but most of all how to partner with the biggest partners to ensure the ongoing flow of advertisers and money. And by the way, your estimation of \$75 [million] accumulated damage is probably 10% of the real numbers. But that just explains how unaware or just cooperative the industry is with this growing 'business.'"

-Fraud scheme insider







## Apps Installed On Millions Of Android Phones Tracked User Behavior To Execute A Multimillion-Dollar Ad Fraud Scheme

A BuzzFeed News investigation uncovered a sophisticated ad fraud scheme involving more than 125 Android apps and websites, some of which were targeted at kids.



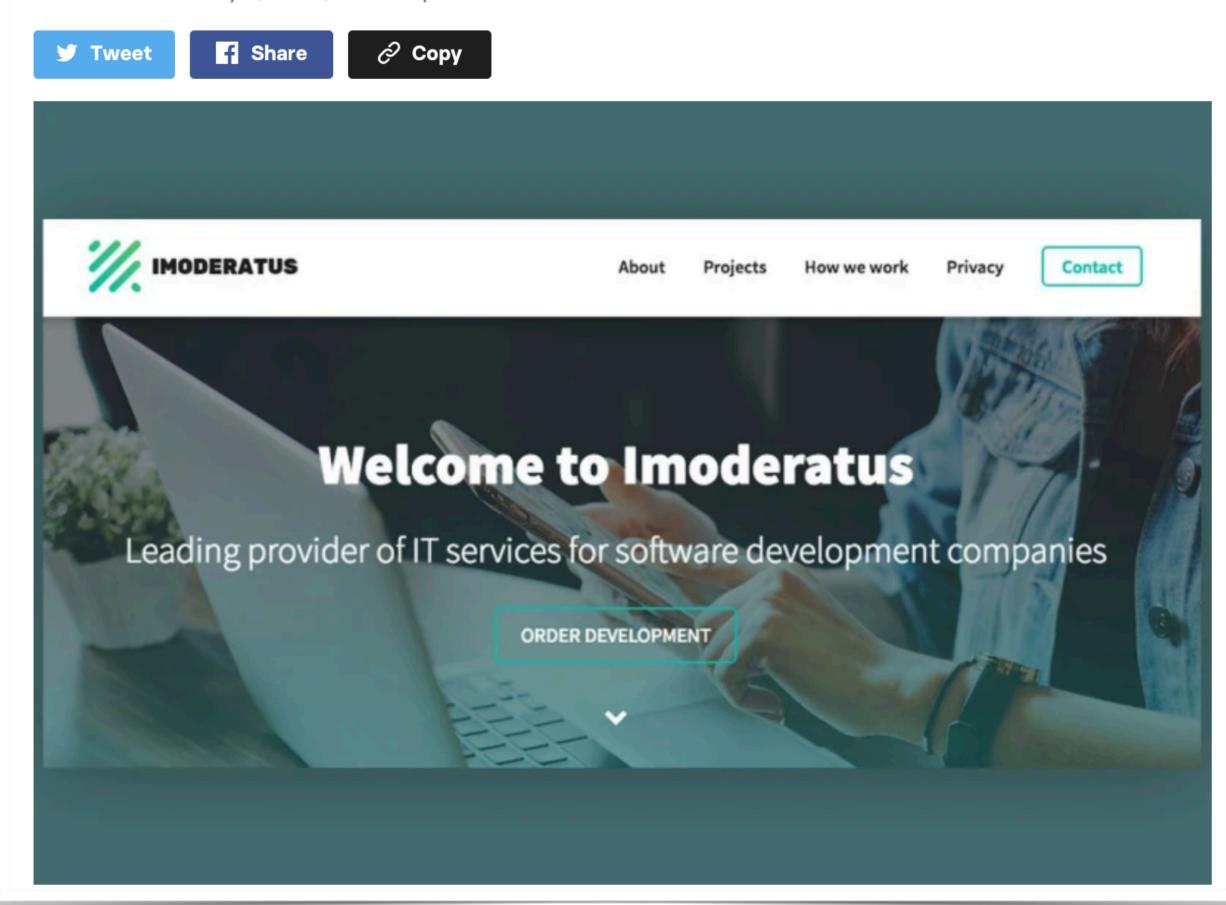
Posted on October 23, 2018, at 1:07 p.m. ET

# These Digital Ad Fraudsters Went To Court To Try To Get Their Earnings Back. It Didn't Work Out Well For Them.

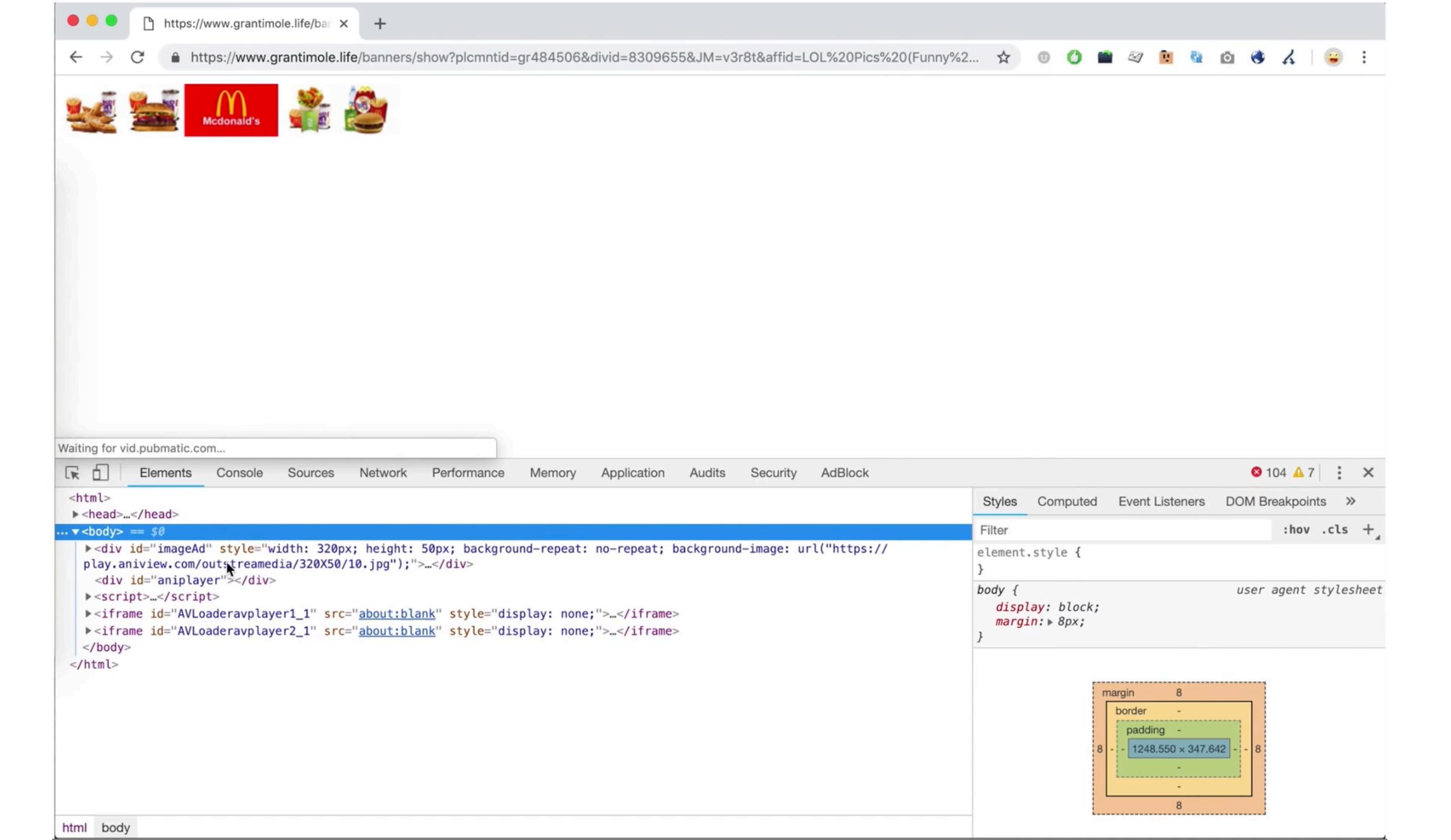
Rather than fearing the law, these fraudsters tried to use it to go after a legitimate company.

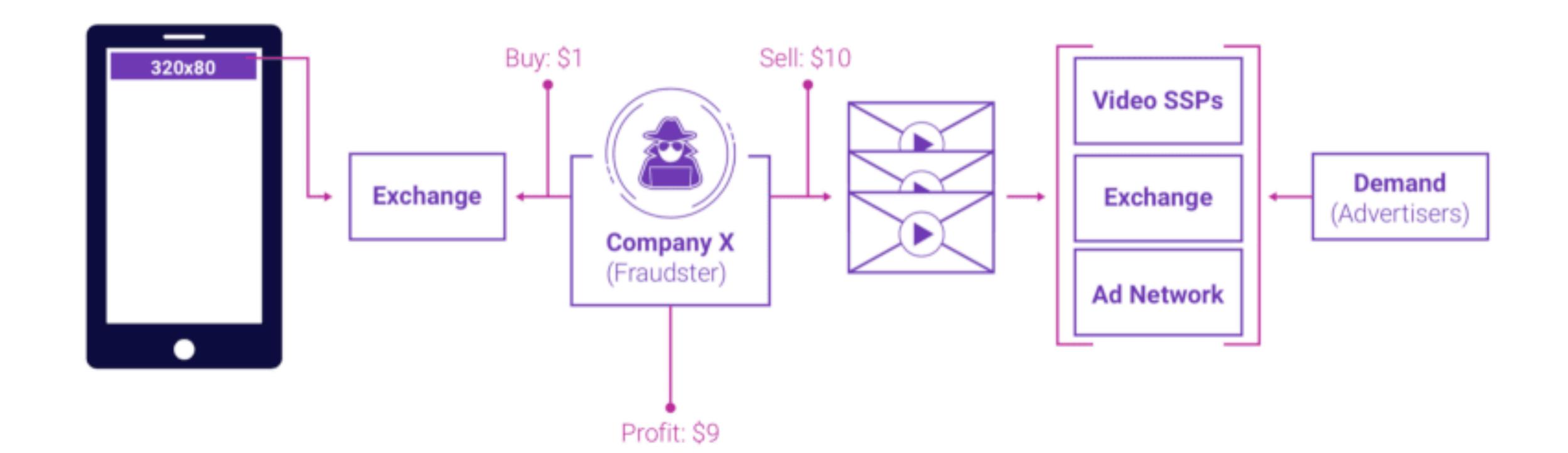


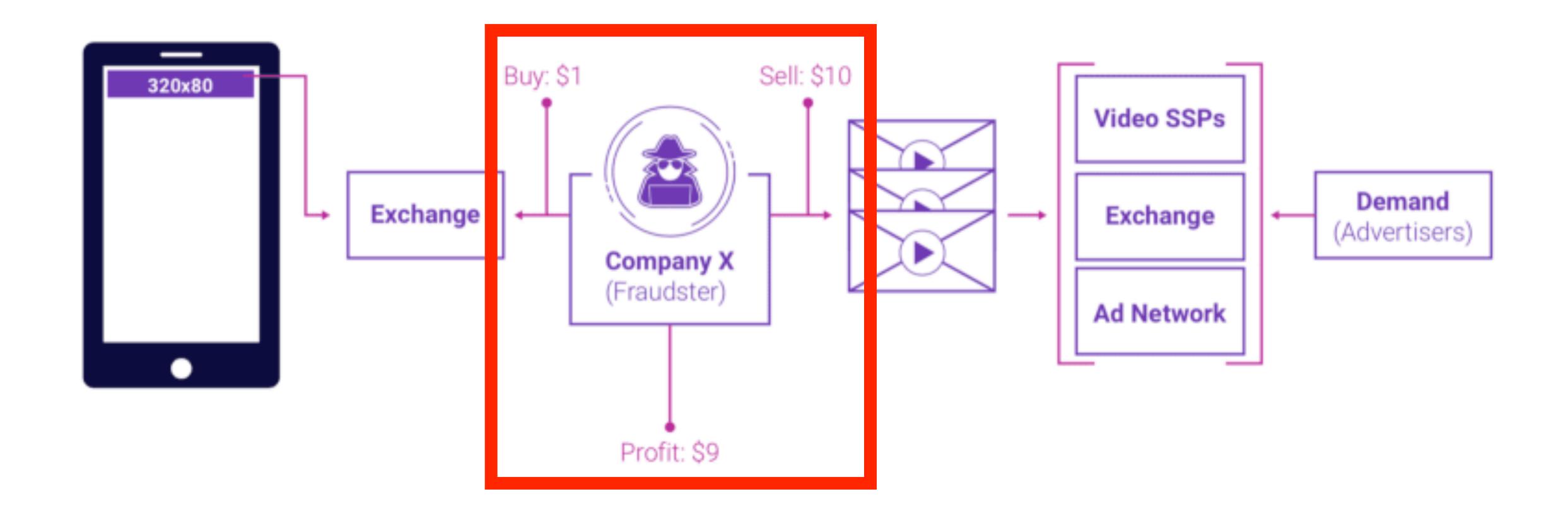
Posted on January 7, 2019, at 3:29 p.m. ET

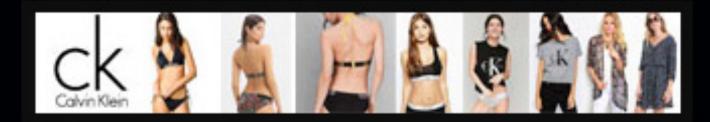


## In-Banner Video



































































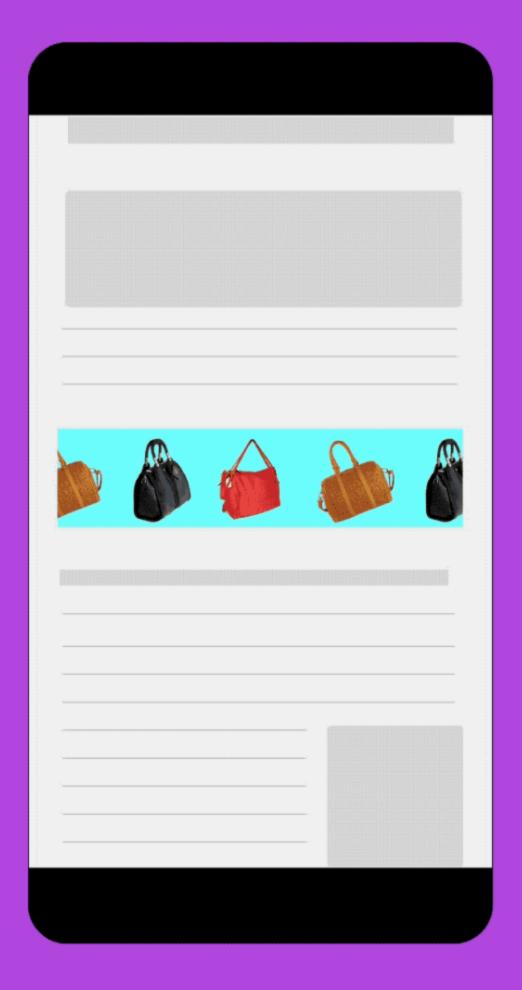
"I don't even think about me being ripped off. All I think about is them damaging the app's reputation. It can cost money to [a user] and drain his battery. This is the thing that makes me really mad."

-Julien, app developer

"One of them spoke to my VP of sales and said everybody does it, why are we picking on them. It's something we hear too often, unfortunately."

-Asaf Greiner, Protected Media

Ben Kothe | BuzzFeed Neu



This Giant Ad Fraud Scheme Drained Users' Batteries And Data By Running Hidden Video Ads In Android Apps

# FBI probes media trading practices in the US

8 People Are Facing Charges As A Result Of The FBI's Biggest-Ever Ad Fraud Investigation

ANA Confirms FBI Criminal Investigation On Ad Transparency

As FBI agency probe heats up, marketers express concern over cooperating



communications technologies have been exploited – and their providers caught repeatedly flat-footed – has been continuously highlighted

pages and groups, ads, and algorithm-gaming can be used to propagate political disinformation, these same tools can – and have – been used to assist click fraud in digital advertising markets and efforts to convince large numbers of users to download malicious apps on their

in the course of investigating Russia's unprecedented inference in the 2016 election. In the same way that bots, trolls, click-farms, fake

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phones.

### What to do

- Make it a c-suite priority.
- Stop the silence. When you discover a bad actor, notify everyone you possibly can and look at how information can be made public.
- Take responsibly. It's not enough to simply pay for fraud detection/verification. Who on your team is responsible to stamping it out? What resources do they have? Can they stop a deal when if it means losing money?
- Brands: stop accepting make-goods and credits without raising an issue. Build your own ad fraud team and check where your ads are running.
- Can there be a universal place to report fraud and bad actors?
- Recognize that either you do it, or law enforcement and regulators will do it for you.

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### Thanks!

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