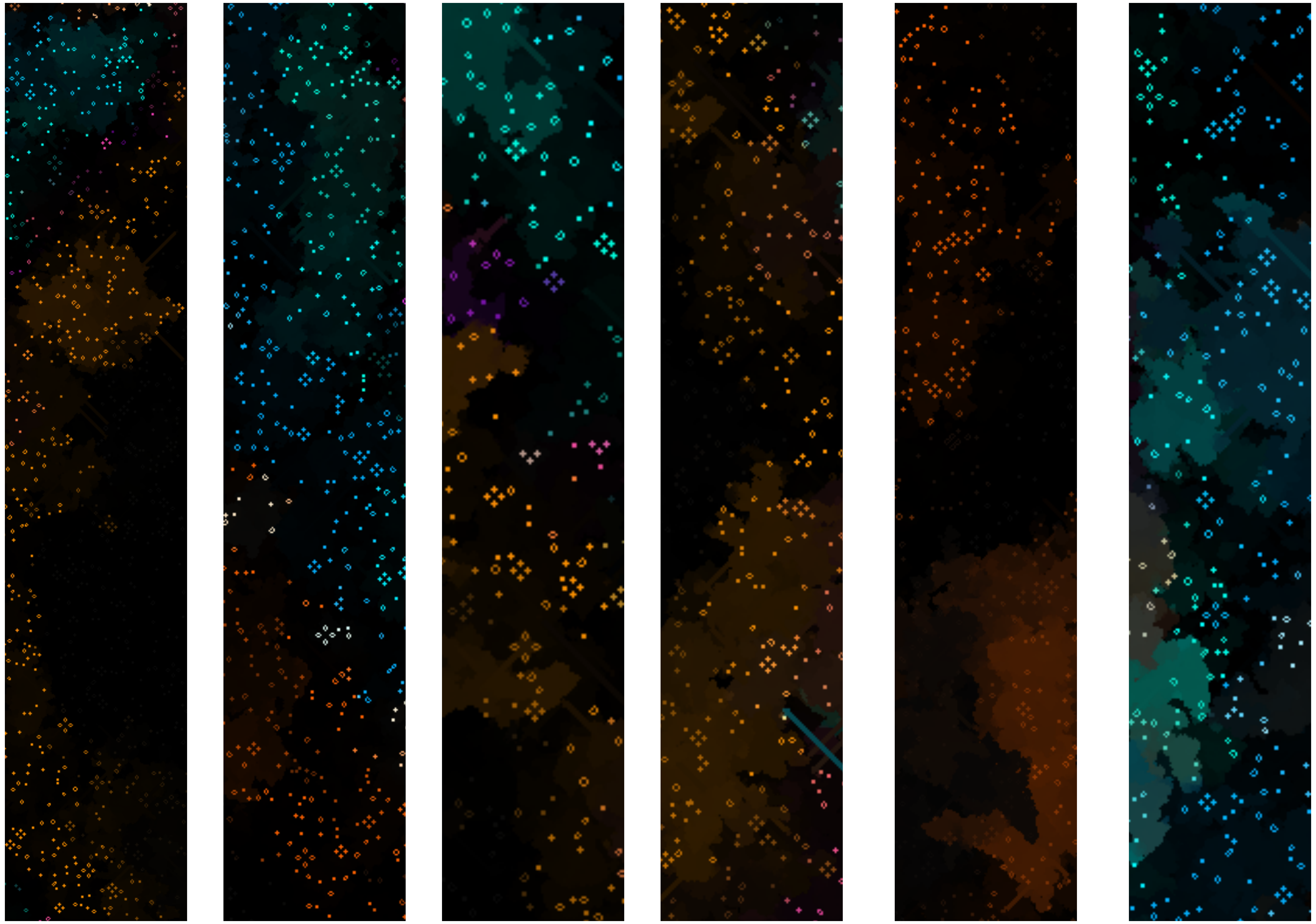
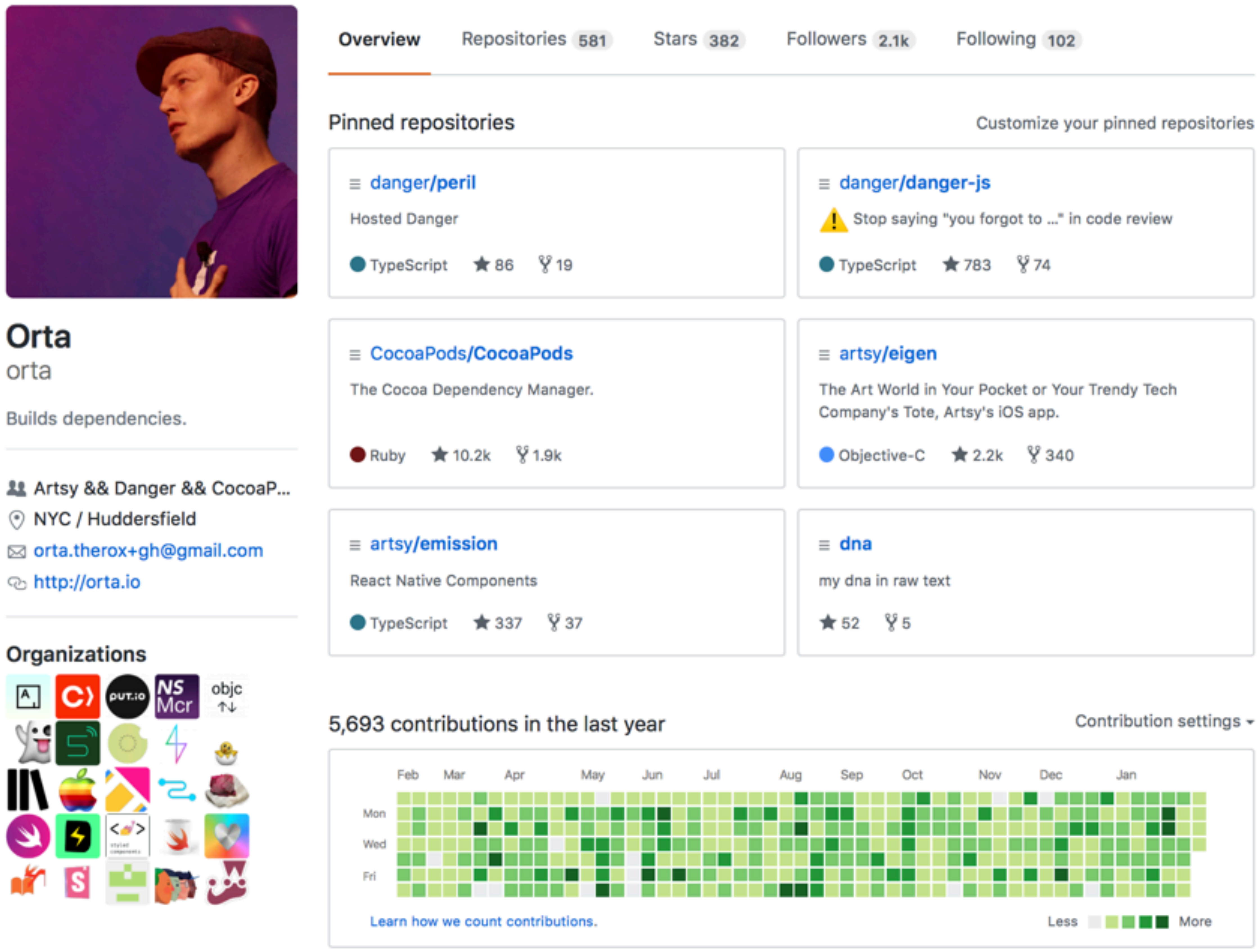


TWO YEARS OF REACT NATIVE

ORTA THEROX
@ORTA

1. WHY ARTSY MOVED
2. DOWNSIDES
3. OMAKASE
4. UPSIDES
5. BROWNFIELD
6. DEPLOYMENT



Overview Repositories 581 Stars 382 Followers 2.1k Following 102

Orta
orta

Builds dependencies.

Artsy && Danger && CocoaP...
NYC / Huddersfield
orta.therox+gh@gmail.com
http://orta.io

Organizations

Pinned repositories

Customize your pinned repositories

danger/peril
Hosted Danger
TypeScript ★ 86 19

danger/danger-js
⚠ Stop saying "you forgot to …" in code review
TypeScript ★ 783 74

CocoaPods/CocoaPods
The Cocoa Dependency Manager.
Ruby ★ 10.2k 1.9k

artsy/eigen
The Art World in Your Pocket or Your Trendy Tech Company's Tote, Artsy's iOS app.
Objective-C ★ 2.2k 340

artsy/emission
React Native Components
TypeScript ★ 337 37

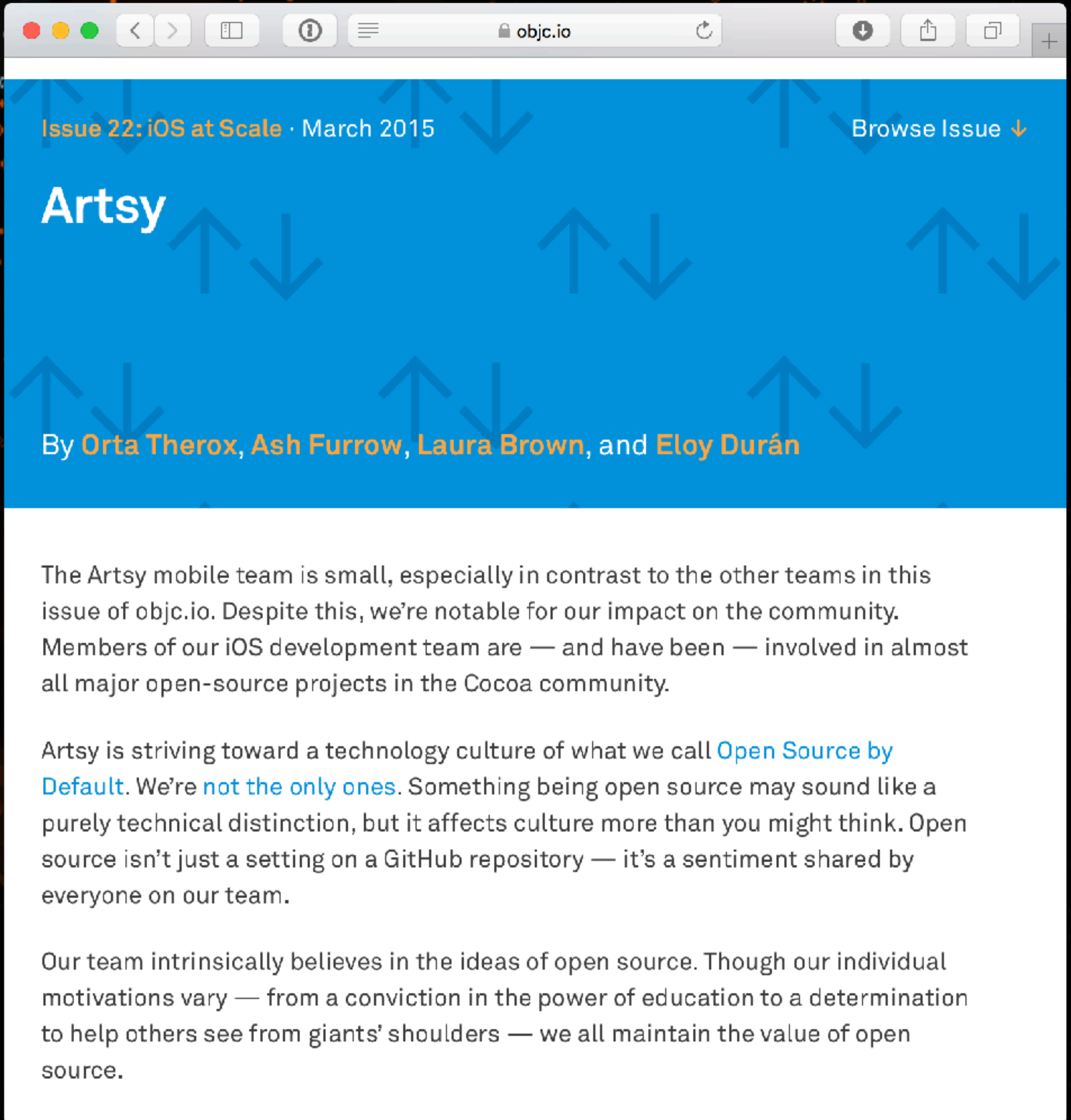
dna
my dna in raw text
★ 52 5

5,693 contributions in the last year

Contribution settings ▾

Learn how we count contributions.

Less 🟩 🟩 🟩 🟩 More



Issue 22: iOS at Scale · March 2015

Browse Issue ↓

Artsy

By Orta Therox, Ash Furrow, Laura Brown, and Eloy Durán

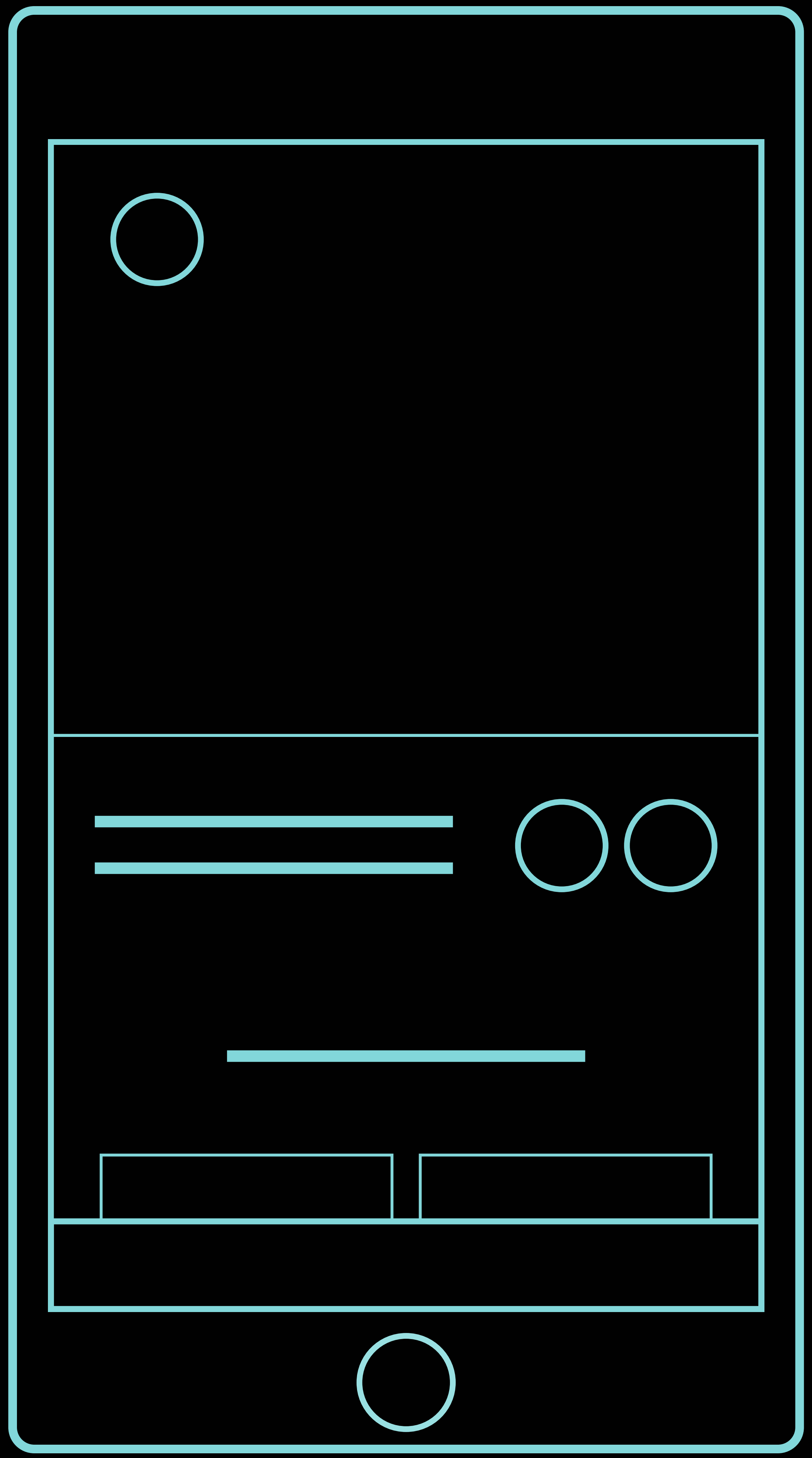
The Artsy mobile team is small, especially in contrast to the other teams in this issue of objc.io. Despite this, we're notable for our impact on the community. Members of our iOS development team are — and have been — involved in almost all major open-source projects in the Cocoa community.

Artsy is striving toward a technology culture of what we call Open Source by Default. We're not the only ones. Something being open source may sound like a purely technical distinction, but it affects culture more than you might think. Open source isn't just a setting on a GitHub repository — it's a sentiment shared by everyone on our team.

Our team intrinsically believes in the ideas of open source. Though our individual motivations vary — from a conviction in the power of education to a determination to help others see from giants' shoulders — we all maintain the value of open source.

OBJC.IO/ISSUES/22-SCALE/ARTSY/

“ The start-up Art.sy aims to
do for visual art what
Pandora did for music:
become a source of discovery,
pleasure and education.”



Open
Source
by Default

github.com/artsy

Artsy Blog

- React Native at Artsy
- Intro to React Native for an iOS Developer
- Workshop: React Native
- Retrospective: Swift at Artsy
- Exploration: Front-end JavaScript at Artsy in 2017
- On our implementation of React Native
- Open Expectations

Talks

- try! Swift - Building Your Own Tools

WHY MOVE?

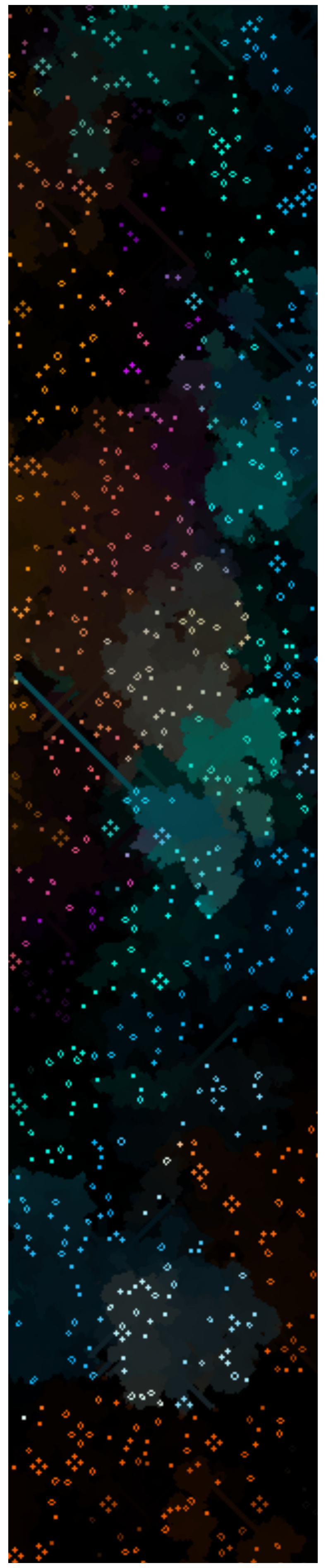
5 SILOED MOBILE ENGINEERS

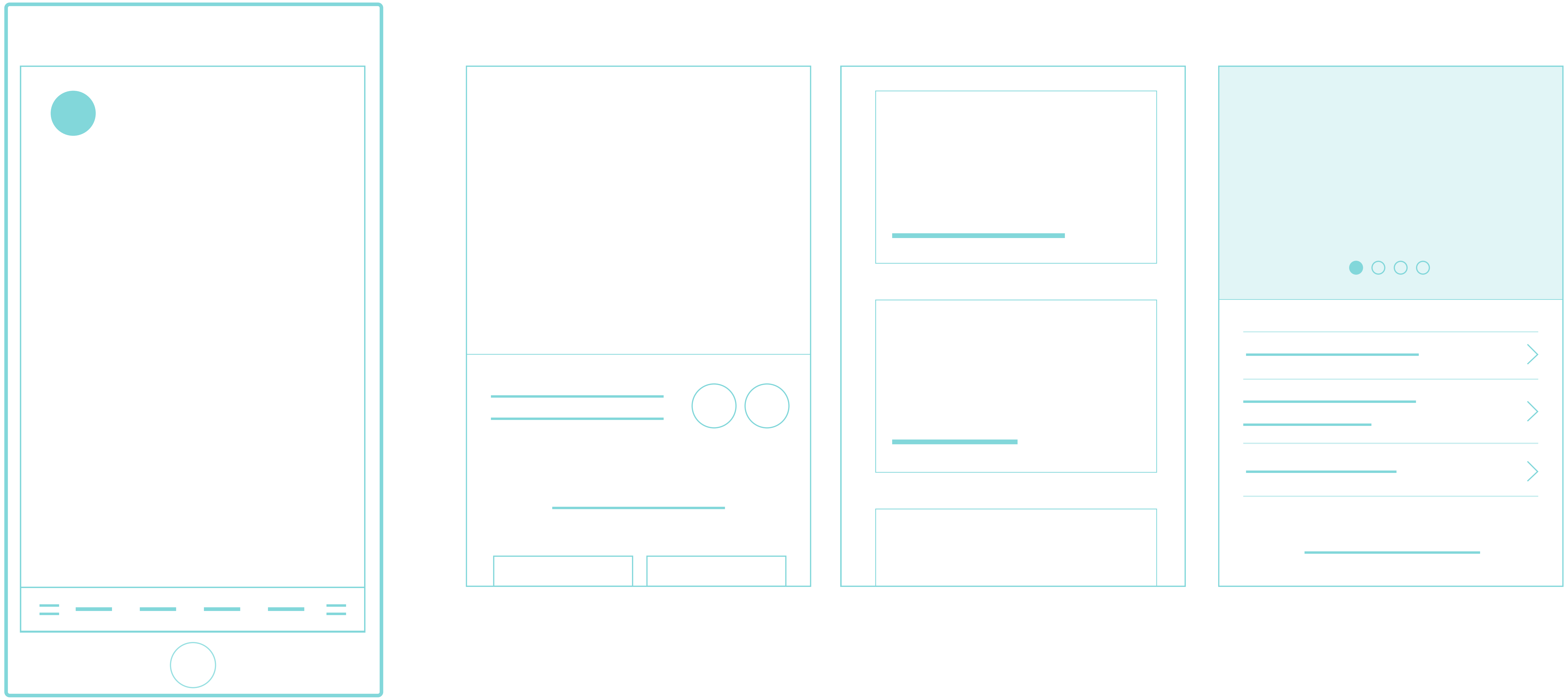
SLOW TEAMS

NATIVE TOOLING QUALITY

SEPERATION OF CONCERNS

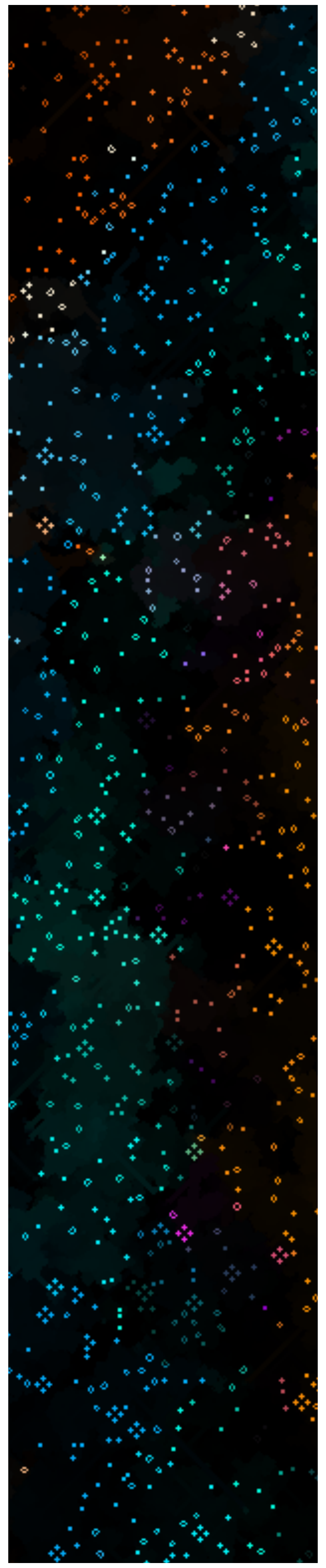
ARTSY.GITHUB.IO/BLOG/2016/08/15/REACT-NATIVE-AT-ARTSY/

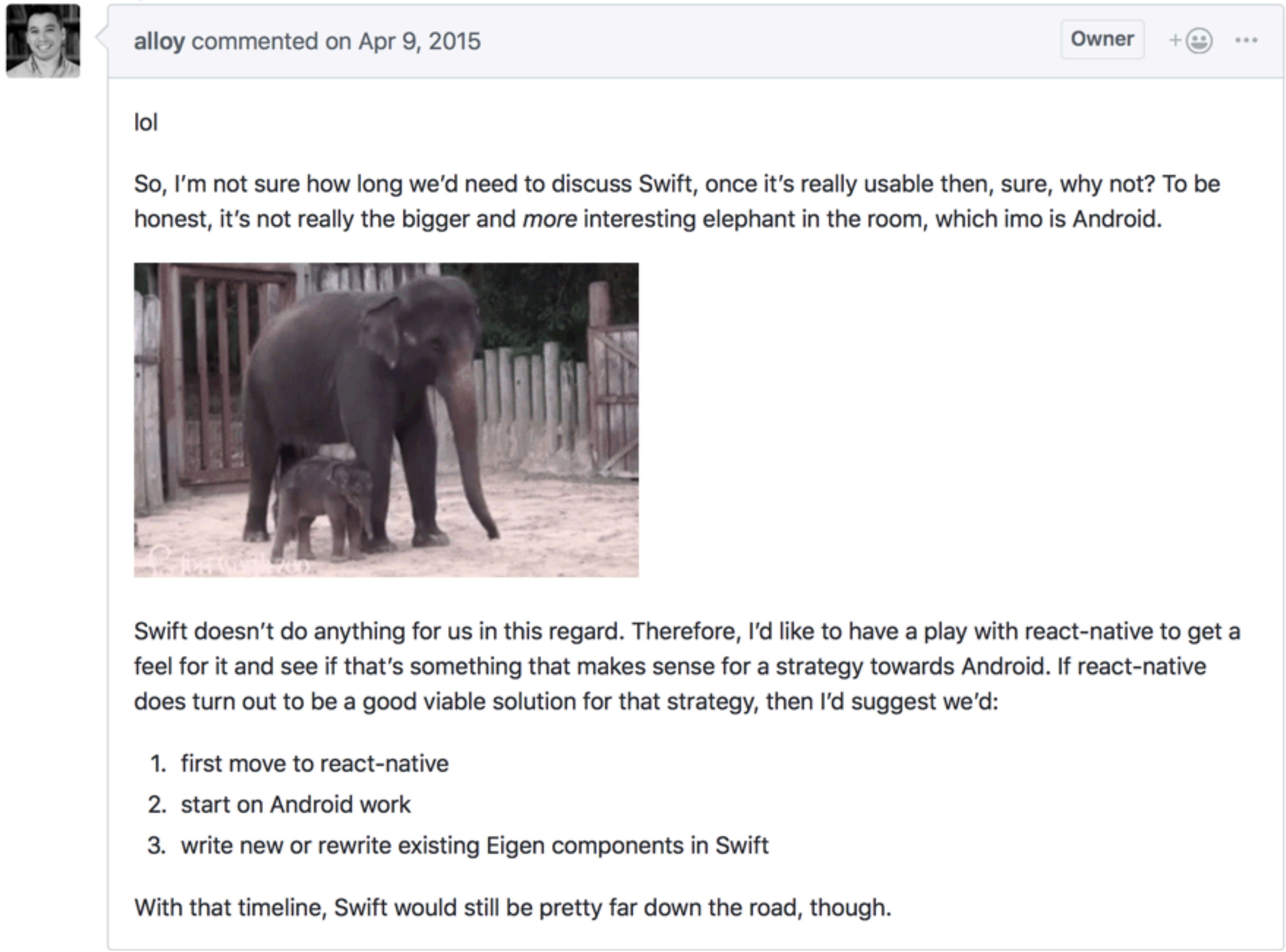




ARTSY.GITHUB.IO/BLOG/2017/02/05/RETROSPECTIVE-SWIFT-AT-ARTSY/

?





alloy commented on Apr 9, 2015

lol

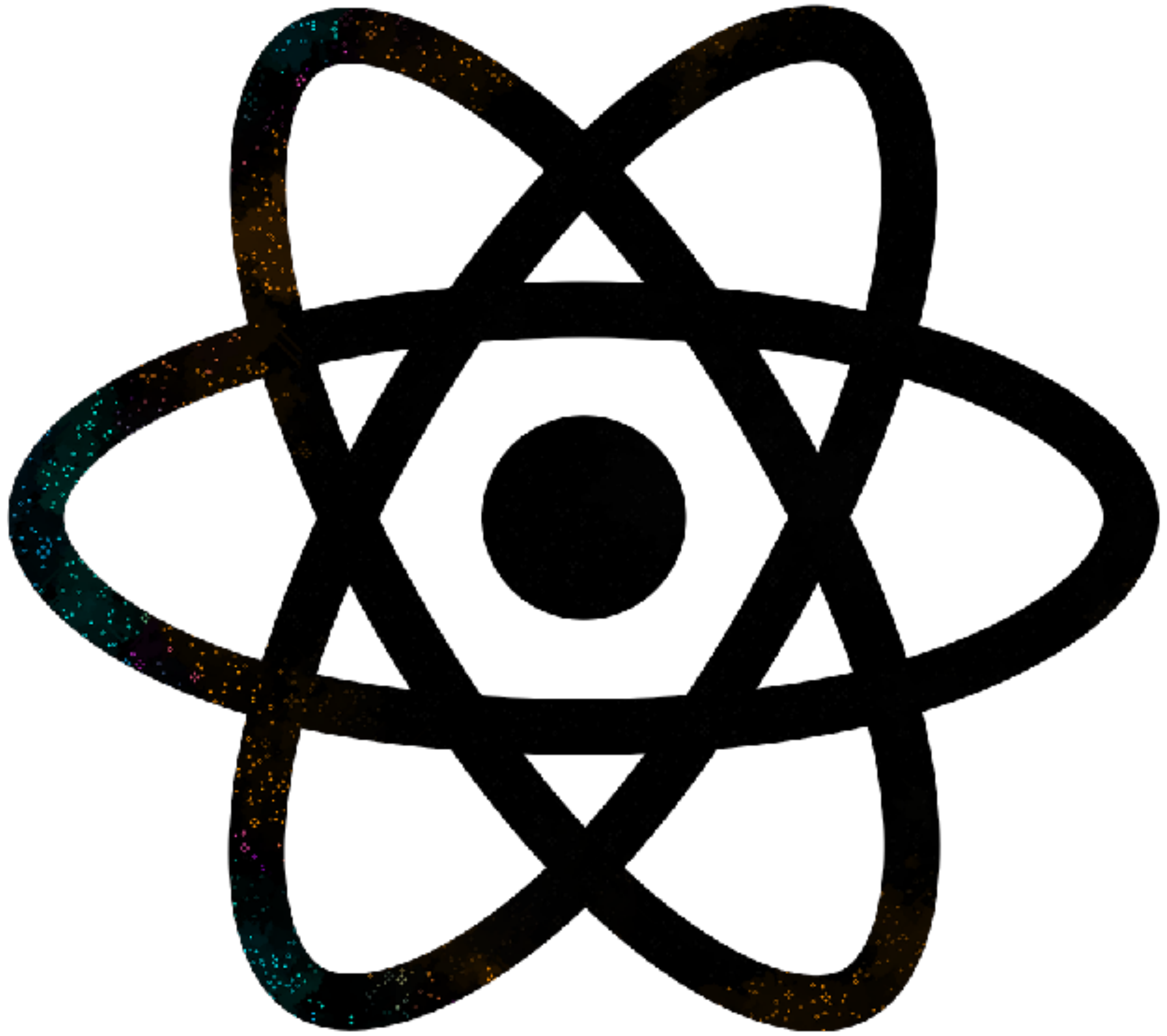
So, I'm not sure how long we'd need to discuss Swift, once it's really usable then, sure, why not? To be honest, it's not really the bigger and *more* interesting elephant in the room, which imo is Android.

Swift doesn't do anything for us in this regard. Therefore, I'd like to have a play with react-native to get a feel for it and see if that's something that makes sense for a strategy towards Android. If react-native does turn out to be a good viable solution for that strategy, then I'd suggest we'd:

1. first move to react-native
2. start on Android work
3. write new or rewrite existing Eigen components in Swift

With that timeline, Swift would still be pretty far down the road, though.

GITHUB.COM/ARTSY/MOBILE/ISSUES/22



DOWNSIDES

HOLD ON TO YOUR HAT

NO, LIKE, LITERALLY, WE’RE GONNA TRY COVER A LOT OF THEM

517

DEPENDENCIES

NO ROADMAP

MEH DEBUGGING

ERROR REPORTING

FOCUS ON WEB DEVELOPERS

FEW NUANCED WRITE-UPS

NATIVE COMPLEXITY
+
JS COMPLEXITY

NEEDS NATIVE BUY-IN TO WIN

JS “STIGMA”

LOSSY ABSTRACTIONS

TESTING QUESTIONS UN-ANSWERED

CHOICE PARALYSIS

JS MOVES FAST

ARTSY OMAKASE

- TYPESCRIPT
- GRAPHQL
- REACT
- JEST
- RELAY
- STORYBOOKS
- STYLED COMPONENTS

ARTSY.GITHUB.IO/BLOG/2017/02/05/FRONT-END-JAVASCRIPT-AT-ARTSY-2017/

RELAY CORE

GRAPHQL
WORKING GROUP

JEST CORE

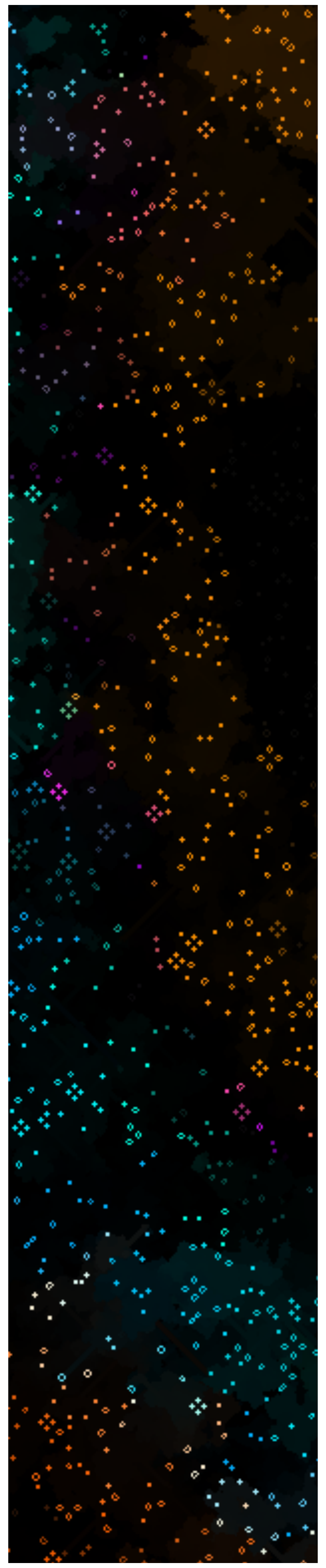
STORYBOOKS
ORG

CONTRIBUTIONS TO
REACT /
REACT NATIVE

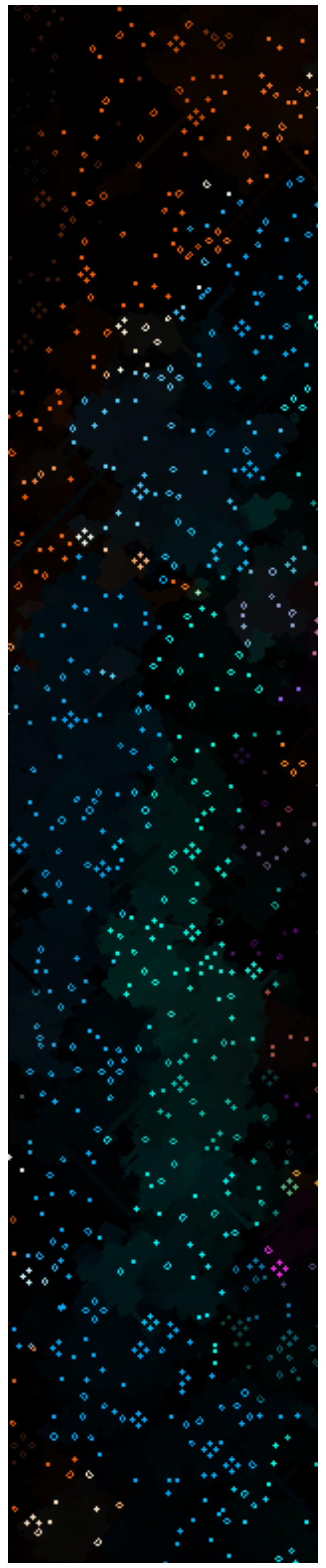
CONTRIBUTIONS TO
TYPESCRIPT /
DEFINITELY TYPED

WRITE VSCODE
EXTENSIONS

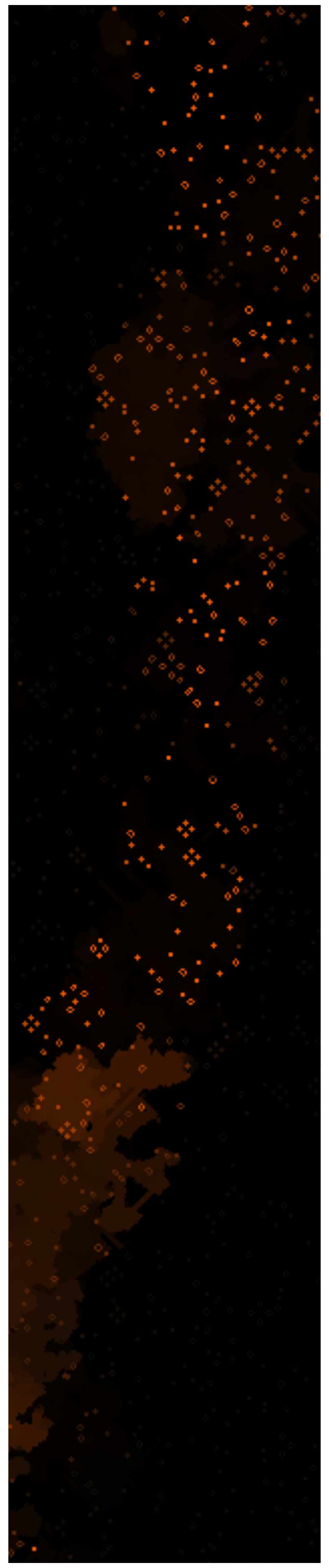
DANGER



REACT NATIVE IS
RAILS FOR MOBILE DEVELOPMENT



- NO MORE MOBILE TEAM
- CONSISTENT ABSTRACTIONS WITH WEB
- OWN YOUR ENTIRE STACK
- JS TOOLING
- DEV CLOSER TO THE SPEED OF THOUGHT



EMISSION DEMO

ADDING EMAIL TO THE PROFILE SCREEN

BROWNFIELD

- PREPARED FOR REACT NATIVE EXPERIMENT TO NOT WORK
- ALL RN IS A SEPARATE REPO, APP JUST SEES VIEW CONTROLLERS FROM POD
- MAIN APP DOES NOT REQUIRE NODE
- KNOWING WHEN TO USE NATIVE IS NUANCED
- EXAMPLE: HOW DO WE PUSH A NEW NAV?

ARTSY.GITHUB.IO/BLOG/2016/08/24/ON-EMISSION/

DEPLOYMENT

- WE DEPLOY RN TO PROD VIA APP STORE
- JS IS JUST A SINGLE FILE, CAN BE CHANGED ANY TIME
- EVERY PR, EVERY MASTER COMMIT CREATES BUILDS ON S3
- PROVIDED AN ADMIN TOOL FOR SELECTING THE JS
- WE'RE STILL TOO CAUTIOUS FOR PROD DEPLOYS
- THERE'S AN API CONTRACT BETWEEN NATIVE/JS

SUMMARY