



A Day in life of a Framework Engineer

Journey of Frameworks

@_yogeshsingh

Aim





About Me

Yogesh Singh

Software Engineer, 100ms

Swift Mumbai Co-founder

Football fan

Twitter: @_yogeshsingh

Framework Lifecycle



Development

Add features
enhancements

Testing

Internal QA Testing, Fix
bugs

Deployment

Release SDK, Update
Documentation

Feature Request Sources



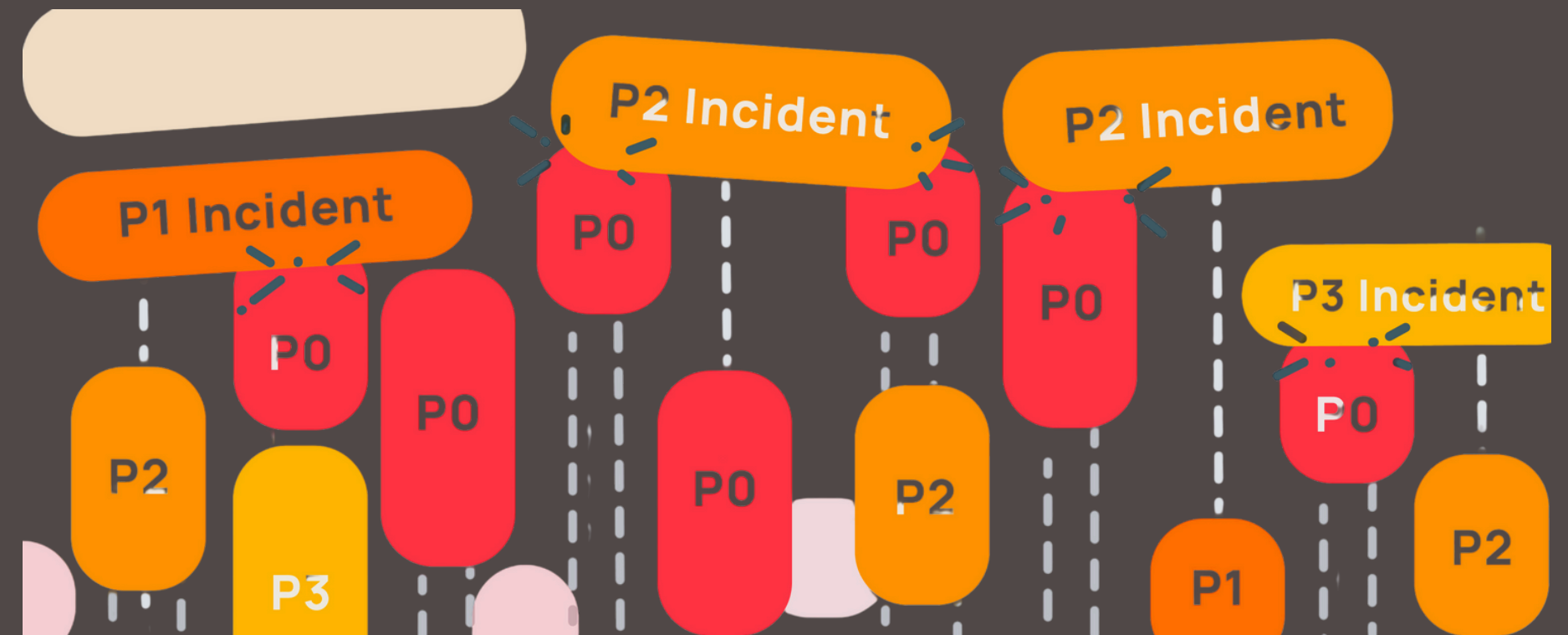
Product Roadmap



Client Requests

Prioritize Features & Incidents

P2





What's that API? 🤔

APIs are long lived

Your Product are the API interfaces!

APIs should be simple

APIs should be well documented

API structures should be discussed upon & frozen before
feature development starts

Why should you separate interfaces from implementations and design by contract?

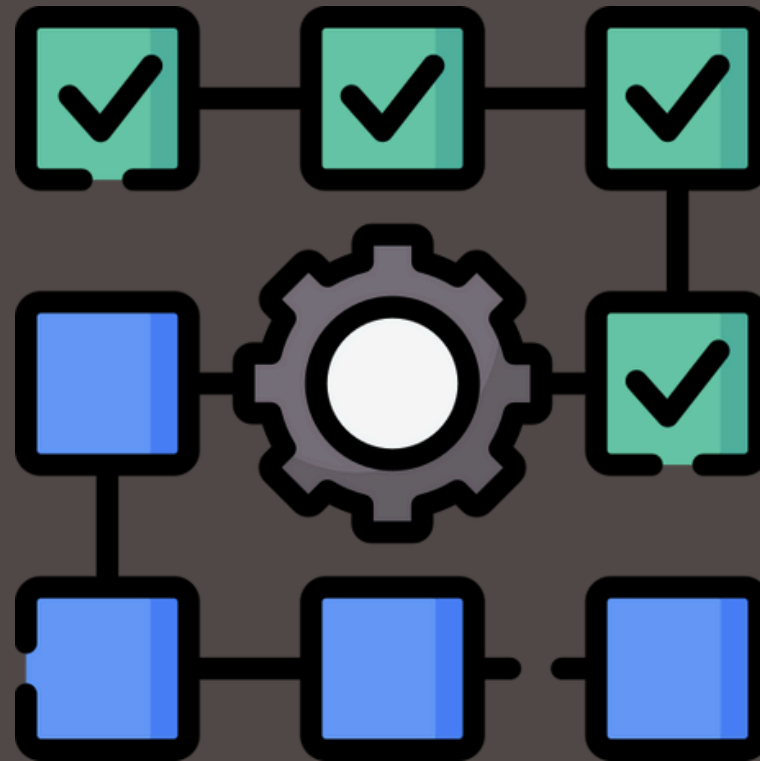
The Hyrum's Law

With a sufficient number of users of an API, it does not matter what you promise in the contract: all observable behaviours of your system will be depended on by somebody.

Testing



Manual QA



Unit Testing



UI Testing

Deployment

Internal Releases

Public Release

Debugging Client issues

Integration

Production

Change Log

Write good Change Logs



Source Code

**Closed Source
Commercial Package**

Open Source



External Interactions

- Interactions with -
- CSM Teams
 - Developers
 - Sales Teams

Amount of UI

1

UI heavy
features

2

Light UI
features

3

Headless
features

Targets for your packages



iOS



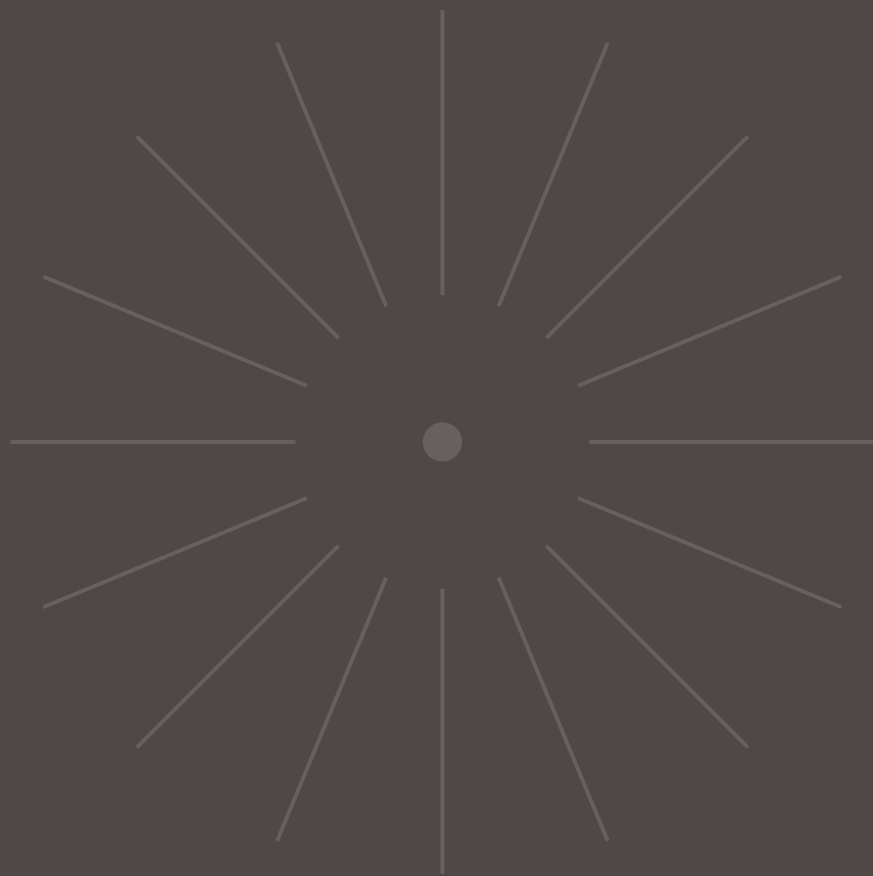
React Native



Flutter



Unity



Analytics

Usage Metrics
Telemetry
Internal Dashboards
API Metrics

Key Differences	App	Framework
End Goal	.iPA	.xcframework
Audience	Regular Users	Developers
Deployment	App Store	SPM / Cocoapods

Missing out

Deployment to App Stores

**What's your
favourite
package?**

Thank you!

Twitter @_yogeshsingh