Build your company on Python

@nash

CEO Integry

What we’re talking about

- Technical decision when starting up
- How Python helps

Why am I talking about this?

- 15 Years of company building
- 4 startups (2 acquisitions)
- Worked as CTO or CEO (always technical)

#1 Velocity

pring

Running prototype: 1 week

Integry

From 0 to first customer payment: 60 days

Volume

pring

8 Million Users

1 Billion messages/m

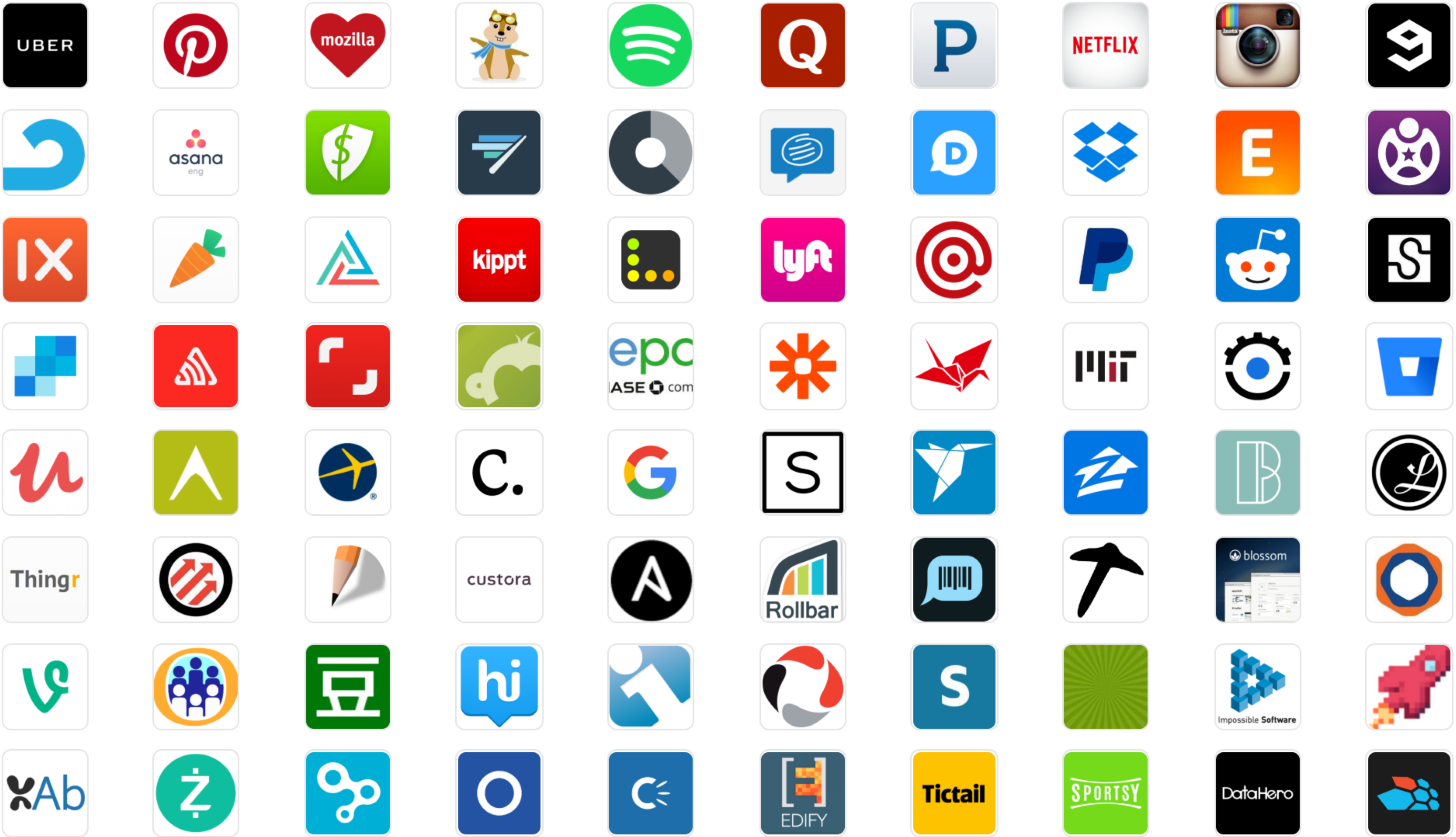
10 GB/m

Integry

200+ APIs

10k business users

100k transactions/m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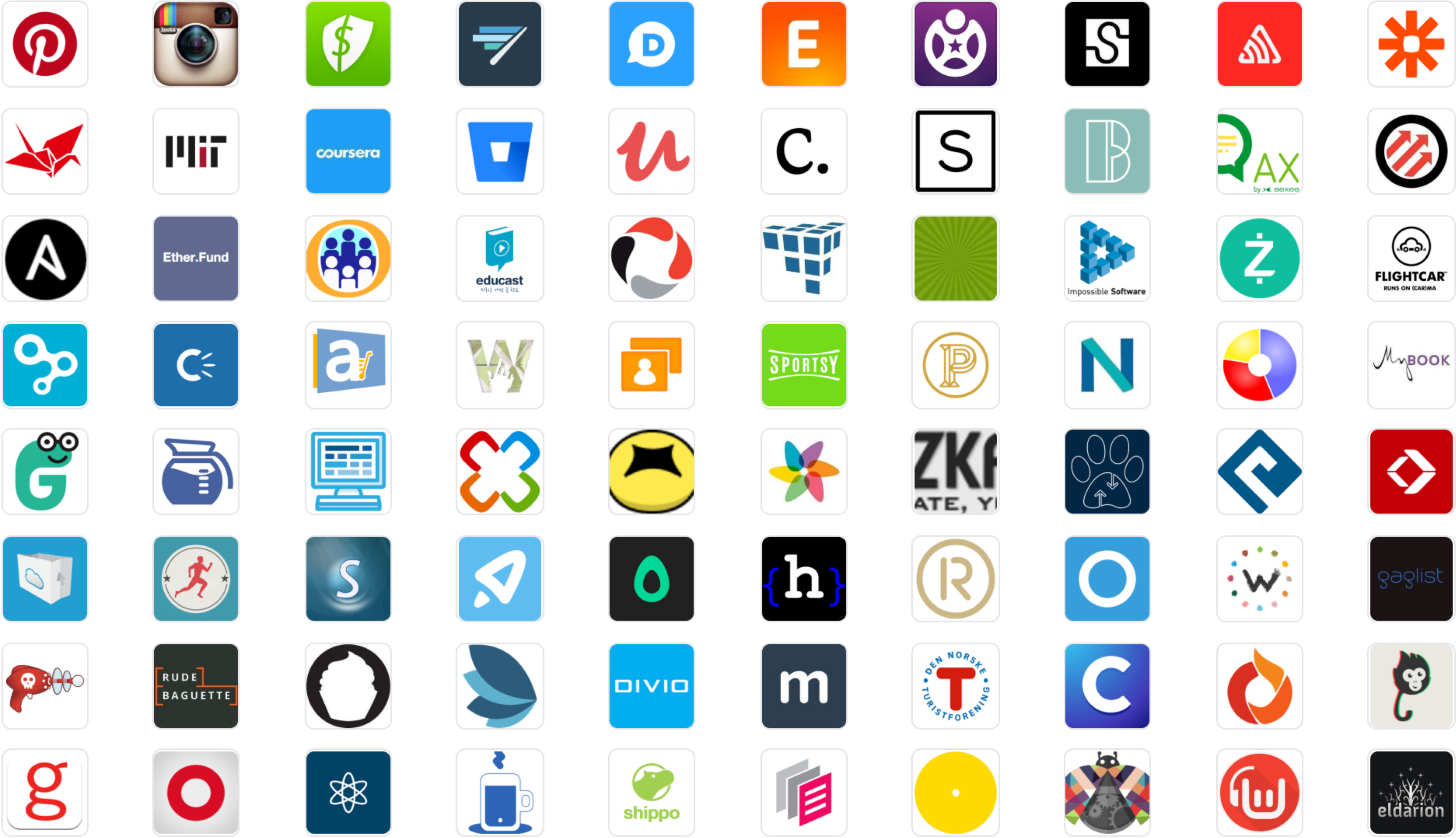
Tictail
SPORTSY
DataHero

django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eldarion

Fast “Developer time”

Batteries included

Authentication, site maps, admin backend, RSS, forms, ORM, Templating

Built in Security

SQL injection, XSRF, clickjacking, XSS, hashing

Scalable

Versatile

Build commad-line tools on top, common logic,

DRY: Don’t Repeat Yourself

Buy, don’t build

Django Apps

Buy (compose), don’t build.

~4K Apps available

Great Community

Back Then

Webapp

Mobile Apps

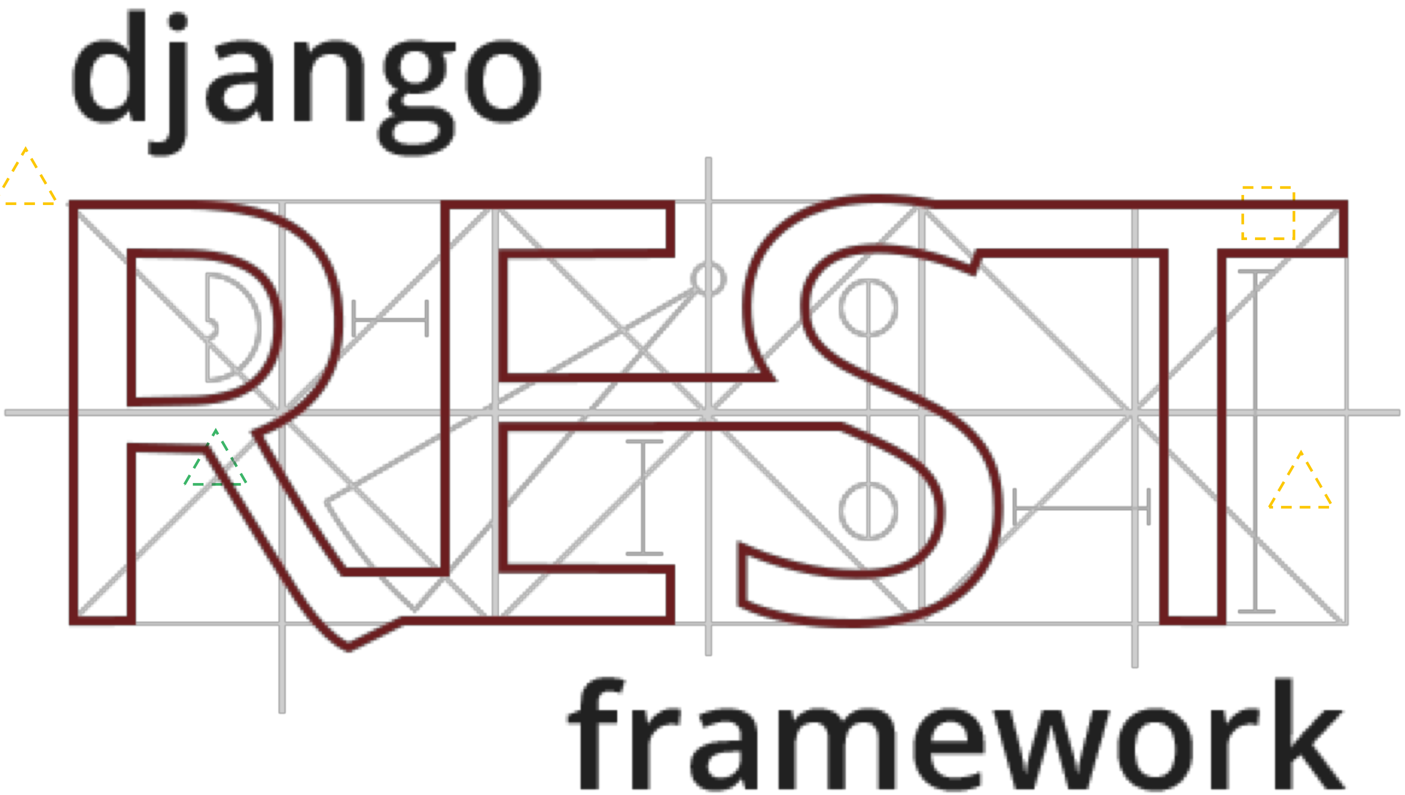
API Platform

Now

API First

Webapp

Mobile Apps


django
REST
framework

DRF

- Reuses your Django ORM
- Generates REST APIs
- Generates Documentation
- Generates Test code
- Generates Specs

Caveats

- Web vs Mobile
- Type of product: Embedded, video
- Availability of people

Finding People

- Python: 44
- Java: 75
- Dot Net: 85
- PHP: 225
- Javascript: 144

Architecture

- App Engine from GCP for Django
- Cloud Datastore (nosql store)
- Cloud Storage (files, S3)
- Cloud SQL (MySQL)
- Task Queues

Hosting

Back Then	Now
Rented Space	Per Minute Billing
Rented Machine	Non-persistent
VM Machine	PolyCloud
Hourly Billing	Containerization

Summary

- DRY: Don’t Repeat Yourself
- Buy, don’t build
- Leverage Community
- Better baseline default
- Good people are rare

Thanks!

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