

# DJANGO

## THE WEB FRAMEWORK FOR PERFECTIONISTS WITH DEADLINES



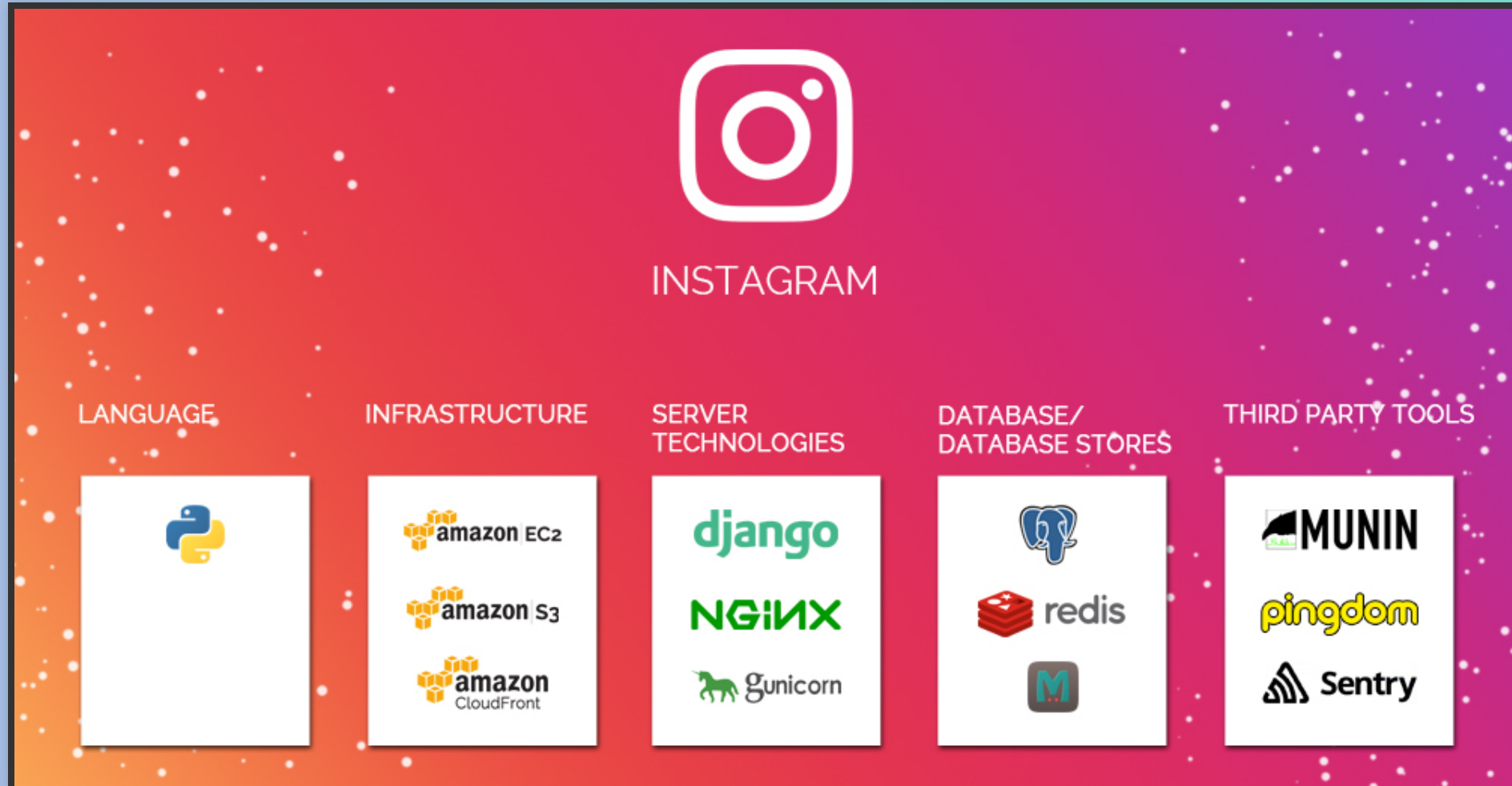
# STRUCTURE

Django has a "batteries-included" philosophy, with a fully-functional ORM out of the box, session handling, a default admin portal, url handling, middleware, and more. As a framework, it is accessible to beginners yet scalable to production demands.

*As they put it*, Django is "ridiculously fast, fully-loaded, reassuringly secure, exceedingly scalable, and incredibly versatile."

 <https://github.com/django/django>

# DJANGO IN THE WILD



Other notable companies include Disqus, Spotify, YouTube, The Washington Post, BitBucket, DropBox, EventBrite, Mozilla, Prezi, & GenomOncology.

Sources: **SayOne** and **NetGuru**

# PROJECT SETUP

- Install Python & virtualenv
- Start a project directory with a virtualenv
- `pip install -m django`
- `django-admin startproject <project_name> .`
- Hey look! You've got a bunch of project files!
- `django-admin startapp <app_name>`
- Hey look! You've got an app directory with more auto-generated files!



```
12 import os
13
14 # Build paths inside the project like this: os.path.join(BASE_DIR, ...)
15 BASE_DIR = os.path.dirname(os.path.dirname(os.path.abspath(__file__)))
16
17
18 # Quick-start development settings - unsuitable for production
19 # See https://docs.djangoproject.com/en/2.1/howto/deployment/checklist/
20
21 # SECURITY WARNING: keep the secret key used in production secret!
22 # SECRET_KEY = 'n#emad+b6oj6sp+erj$N6+s70$2=4)dd27-s%xa2*cv+tz_7s'
23
24 # SECURITY WARNING: don't run with debug turned on in production!
25 # DEBUG = True
26
27 if 'DJANGO_DEBUG_FALSE' in os.environ:
28     DEBUG = False
29     SECRET_KEY = os.environ['DJANGO_SECRET_KEY']
30     ALLOWED_HOSTS = [os.environ['$ITENAME']]
31 else:
32     DEBUG = True
33     SECRET_KEY = 'n#emad+b6oj6sp+erj$N6+s70$2=4)dd27-s%xa2*cv+tz_7s'
34     ALLOWED_HOSTS = []
35
36 ALLOWED_HOSTS = ['localhost', '127.0.0.1', 'c.rookedby.design']
37
38
39 # Application definition
40
41 INSTALLED_APPS = [
42     'django.contrib.admin',
43     'django.contrib.auth',
44     'django.contrib.contenttypes',
45     'django.contrib.sessions',
46     'django.contrib.messages',
47     'django.contrib.staticfiles',
48     'lists'
49 ]
50
51 MIDDLEWARE = [
52     'django.middleware.security.SecurityMiddleware',
53     'django.contrib.sessions.middleware.SessionMiddleware',
54     'django.middleware.common.CommonMiddleware',
55     'django.middleware.csrf.CsrfViewMiddleware',
56     'django.contrib.auth.middleware.AuthenticationMiddleware',
57     'django.contrib.messages.middleware.MessageMiddleware',
58     'django.middleware.clickjacking.XFrameOptionsMiddleware',
59 ]
60
61 ROOT_URLCONF = 'superlists.urls'
62
```

**Data Sources Detected**  
Connection properties are detected.  
[Configure](#)

Example repos: Testing Goat or MDN Local Library

Example project sites: Testing Goat or MDN Local Library

# TUTORIALS

Beginner-friendly: [DjangoGirls "Blog" tutorial](#)

Intermediate: [Django Documentation "Polls" tutorial](#)

Advanced: [MDN "Library" tutorial](#)

Extension: [Harry Percival's Test-Driven "To-Do Lists" tutorial](#)



## OTHER RESOURCES

Non-traditional Django: [Lightweight Django](#)

Asynchronous Django: [An outlook and an implementation](#)

Awesome Django: [No really, that's what it's called.](#)

Check it out for yourself!