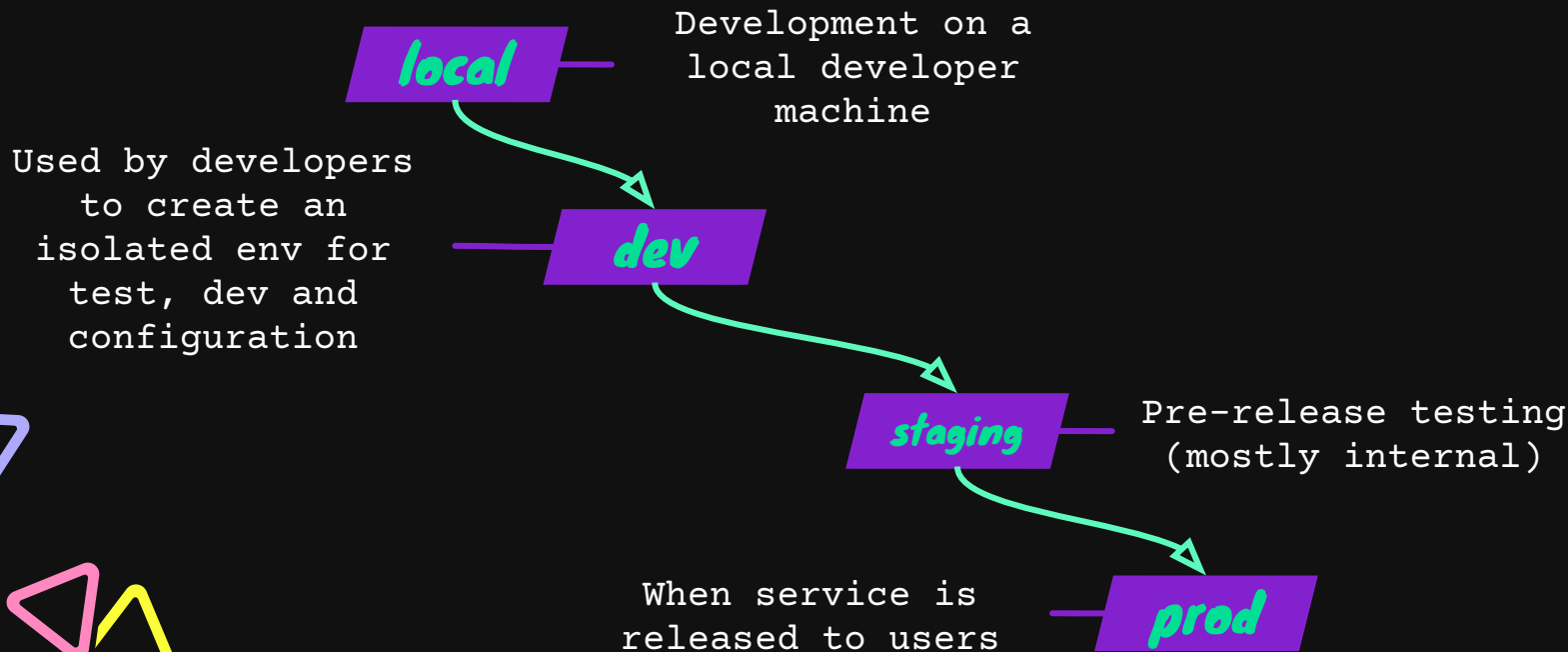




*AS SIMPLE AS
PLUG-AND-PLAY*

Release Stages





Best Practices

It's never too early to start following best practices. [Official Guide](#)

Requirements File:

- Using a requirements.txt file allows better readability and version management



```
Flask==2.1.2  
pandas==1.4.2  
SQLAlchemy==2.0.19  
Werkzeug==2.1.2
```

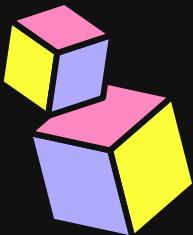
```
pip install -r requirements.txt
```

Extras

- Host of great plugins, extensions and compatible tools - use them!
- Adopt naming conventions
- Take some time to understand Docker Build Contexts

Passwords:

- Use Docker secrets for secure password handling

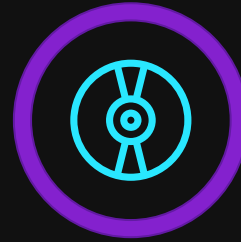


Docker: Pros & Cons



Pros

Everything is code. Network,
configurations, routes,
hardware



Cons

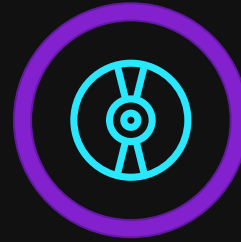
EVERYTHING IS CODE! Network,
configurations, routes,
hardware

Docker: Pros & Cons



Pros

A very strong CLI tool that allows great flexibility in developing, shipping, and running application containers



Cons

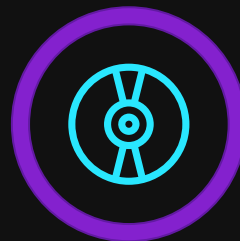
Lack of any sort of GUI, browser-based or visual software to allow for easy cloud management

Docker: Pros & Cons



Pros

Faster delivery.
Improved scalability.
Faster app startup.
Easier management.
Flexibility.



Cons

Not great for isolated tasks.
Dependency wrangling.
Slower than bare-metal.
OS coupling.*
Complexity.

Is Docker TechLabs recommended?



Enterprise



* All support docker, offer free credits (at sign-up), steep learning curve



Hobby



fly.io



Railway

* Most of these services are free or under \$5; limited docker support



Free



Vercel

* Free, simple, serverless deployment for small apps and projects

Thanks!

Does anyone have any questions?

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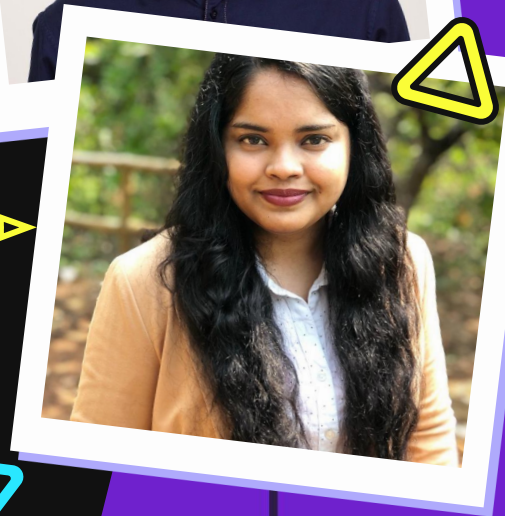
Related sessions

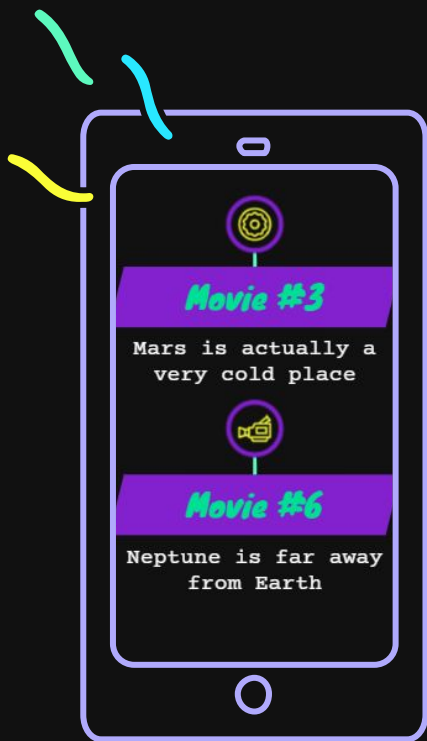
Sat Aug 26 | 15:30 CEST

How to make client and server to talk to each other with React and Express by Mihailo

Sat Aug 27 | 15:30 CEST

How to build APIs to serve the results of your machine learning model by Rashmi





Software Design Patterns with Dmitry

Tuesday Oct 4th | 19:30 CEST

Learn to implement widely-used design patterns employed by engineering teams for building and maintaining software applications

